## **GUIDELINES FOR PROTECTED CULTIVATION**



MISSION FOR INTEGRATED DEVELOPMENT OF HORTICULTURE DEPARTMENT OF HORTICULTURE, GOVERNMENT OF ANDHRA PRADESH

## **INDEX**

SI.No	Content	Page No.
1	Introduction	1
2	Points to be considered while constructing Polyhouse / Shadenet Houses	1
3	Orientation & Design of Polyhouse	2-6
4	Media preparation for Polyhouse production	6-7
5	Watering system & Fertigation system in Polyhouse	7
6	Production Plan of High Value Vegetables & Flowers in Polyhouses / Shadenet Houses	8
7	Day to Day Operations in Polyhouses	9-14
8	General Problems of fertigation	15-20
9	Pattern of Assistance - Proposed Models along with Unit Cost for different Sizes / Models of Polyhouses / Shadenet Houses in A.P. State	21-22
10	Terms & Conditions	23-24
11	Constitution of Joint Inspection Committee	25
12	Work flow & Check List of Polyhouse / Shadenet house / Plant Material	26
13	Formats ( I to V) for Polyhouses/ Shadenet Houses / Plant Material	27-35
14	Success storyon Polyhouse	36
15	Success story on Shadenet House	37
16	List of Registered firms under Poly Houses / Shadenet Houses	38
17	Designs, Standards & Specifications and Bill of Materials for different models of Polyhouses / Shadenet Houses	39-124
18	Mulching	125-129
19	Success story on Mulching	130

#### PROTECTED CULTIVATION

#### **POLYHOUSES / SHADENET HOUSES:**

#### **Objectives:**

- Enhancing productivity per unit area.
- Promotion of high value Horticulture crops under Polyhouses.
- Propagation of planting material to improve germination percentage and better hardening.
- o To promote high value vegetable cultivation under Shadenet House.
- Year round production of floricultural crops and off season production of vegetables & fruit crops.
- o Disease free and genetically superior transplants can be produced continuously.

#### Points to be considered while constructing Polyhouse / Shadenet Houses:

#### Poly house

The crops grown in open field are exposed to vivid environmental conditions, attack of insects and pests, whereas the polyhouse provides a more stable environment. Polyhouse can be divided in to two types

#### a) Naturally ventilated Polyhouse

These polyhouse do not have any environmental control system except for the provision of adequate ventilation and fogger system to prevent basically the damage from weather aberrations and other natural agents..

#### b) Environmental controlled Polyhouse

This type of polyhouse helps to extend the growing season or permits off-season production by way of controlling light, temperature, humidity, carbon-dioxide level and nature of root medium.

#### Shade house

Shadehouses are used for the production of plants in warm climates or during summer months. Nurserymen use these structures for the growth of hydrangeas and azaleas during the summer months. Apart from nursery, flowers and foliages which require shade can also be grown in Shadehouses. E.g. Orchids, These shade structures make excellent holding areas for field-grown stock while it is being prepared for shipping to retail outlets. Shadehouses are most often constructed as a pole-supported structure and covered with either lath (lathhouses) or polypropylene shade fabric. Polypropylene shadenets with various percentages of ventilations are used. Black, green, and white coloured nets are used, while black colours are the most preferred as it retains heat outside.

#### a) Orientation of Polyhouse

- For single span Polyhouse, the orientation should be East-West
- For multi-span Polyhouse, the orientation should be North-South
- > For vegetables, orientation should be East
- For flowers, orientation should be South
- ➤ The surrounding trees should be at a distance of 2.5 times of height of the tree to prevent from shading effect
- > Shading from interior side is preferable for floricultural crops
- ➤ In winter, 50% shading and in summer, 100% internal shading is preferred to prevent excessive heat inside the Polyhouse.

#### b) Design of Polyhouse

The structure has to carry the following loads and is to be designed accordingly.

- ➤ **Dead load:** weight of all permanent construction, cladding, heating and cooling equipment, water pipes and all fixed service equipments to the frame.
- Live load: weights superimposed by use (include hanging baskets, shelves and persons working on roof). The Polyhouse has to be designed for a maximum of 15 kg per square meter live load. Each member of roof should be capable of supporting 45 kg of concentrated load when applied at its centre.
- ➤ **Wind load:** The structure should be able to withstand winds of 110 kilometer per hour and at least 50 kg per square meter of wind pressure.
- Naturally ventilated Polyhouse is preferred for coastal regions
- Fan and pad system is suitable for Rayalaseema region
- 20 to 40% ventilation ( side and top) in the Polyhouse with respect to floor area is essential for both the regions
- Quonset shape is preferred for vegetables
- Saw- tooth shape is preferred for flowers
- Insect proof net of 40- 50% perforation is essential for covering the ventilated area
- Height up to the ridge should be 4m
- Ridge to gutter should be 2.5m and total height of Polyhouse should be limited to 6.5m
- Aerodynamic shape and design along the periphery to with stand stalk and wind effects
- Total height up to ridge should be restricted to maximum of 6.5m otherwise, puncturing
  of film takes place due to wind velocity in coastal regions
- Fan to pad distance should be limited to 40m otherwise cooling uniformity will not be attained ion fan and pad system
- Air flow rate of 75 m<sup>3</sup>/min/m<sup>2</sup> of the pad distributed with intermittent fans is essential.

c) Structural Design of Polyhouse

The Polyhouses are to be fabricated out of Galvanized Iron Pipes. The foundation can

be 60cmx60cmx60cm or 30 cm diameter and one meter depth in PCC of 1:4:8 ratio. The vertical poles should also be covered to the height of 60 cm by PCC with a thickness of

5cm. This avoids the rusting of the poles.

> Tubular structures are preferred. Avoid channel structures as it may twist due to

wind pressure

> Column should run up to top of the Polyhouse to ensure maximum structural

strength

> Structure should with stand dead load, live load and crop load also.

> Foundation should be of Telescopic method not traditional

➤ Hot dip galvanizing with min.2mm thickness is desirable.

Poly-grip mechanism anchored with zig - zag springs and overflow film should be

rammed well below the soil

> Roll up sides and side vents should be covered with insect proof nets.

d) Wind effects

If the Polyhouse is naturally ventilated, the advantage of natural wind direction has to be

taken to the maximum possible. The maximum dimension (length) of Polyhouse should

be perpendicular to the wind direction especially in summer. For fan and pad Polyhouse

the natural wind direction should be same as the air blown by fan.

Size of the Polyhouse

The dimension of NAV GH should not be more than 50m x 50m. Bigger the Polyhouse,

more will be the temperature build up due to poor ventilation. The length of evaporatively

cooled Polyhouse should not be more than 60m.

**Spacing between Polyhouses** 

The spacing between naturally ventilated Polyhouse should be 10 to 15 m so that the

exhaust from one Polyhouse should not enter the adjacent Polyhouse.

**Height of Polyhouse** 

The maximum height can be up to 5m for 50m x 50m Polyhouse and this can be

reduced as per the reduced size of the Polyhouse. Higher is the Polyhouse more is the

wind load for structure and glazing. The side ventilation can be of 2 m width and roof

ventilation is 1m in width

**Components of Polyhouse** 

**Roof:** transparent cover of a Polyhouse.

Gable: transparent wall of a Polyhouse

3

**Cladding material**: transparent material mounted on the walls and roof of a green house.

**Rigid cladding material**: cladding material with such a degree of rigidity that any deformation of the structure may result in damage to it. Ex. Glass

**Flexible cladding material**: cladding material with such a degree of flexibility that any deformation of the structure will not result in damage to it. Ex. Plastic film

**Gutter**: collects and drains rain water and snow which is place at an elevated level between two spans.

**Column**: vertical structure member carrying the Polyhouse structure

Purlin: a member who connects cladding supporting bars to the columns

Ridge: highest horizontal section in top of the roof

Girder: horizontal structure member, connecting columns on gutter height

Bracings: To support the structure against wind

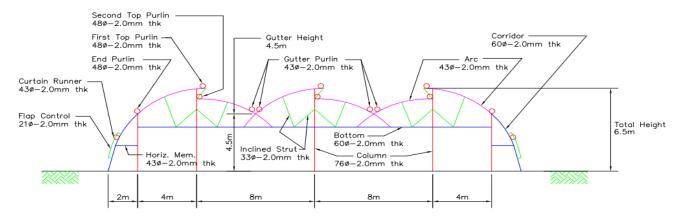
**Arches**: Member supporting covering materials

Foundation pipe: Connection between the structure and ground

Span width: Center to center distance of the gutters in multispan houses

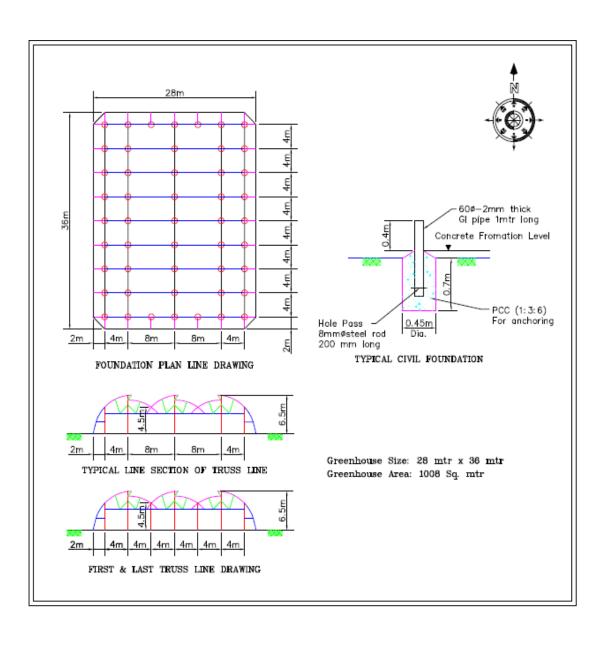
Polyhouse length: dimension of the Polyhouse in the direction of gable

Polyhouse width: dimension of the Polyhouse in the direction of the gutter



TYPICAL LINE SECTION OF TRUSS LINE

#### TYPICAL OUTLINE DRAWINGS OF 1008 SQ.MTS POLYHOUSE



#### e) Cladding materials

Cladding materials are the covering materials used on the basic structure with the support of fastening mechanisms (i.e., Aluminium / GI profiles inserted with zig – zag springs).

Polythene proves to be an economical cladding material. Now long lasting, unbreakable and light roofing panels-UV stabilized clear fiber glass and polycarbonate panels are available. Plastics are used in tropical and sub-tropical areas compared to glass/fiberglass owing to their economical feasibility. Plastics create enclosed ecosystems for plant growth. LDPE (low density polyethylene) / LLDPE (linear low density polyethylene) will last for 3-4 years compared to polythene without UV stabilizers.

#### Comparison of different kinds of covering materials

	Time	Demobility	Transn	nission	Maintanana
SI. No.	Туре	Durability	Light	Heat	Maintenance
1.	Poly ethylene	One year	90%	70%	Very high
2.	Poly ethylene UV resistant	Two years	90%	70%	High
3.	Fiber Glass	Seven years	90%	5%	Low
4.	Tedlar coated Fiber Glass	Fifteen years	90%	5%	Low
5.	Double strength Glass	Fifty years	90%	5%	Low
6.	Poly carbonate	Fifty years	90%	5%	Very low

#### Media preparation for Polyhouse production

The media used in Polyhouse generally have physical and chemical properties which are distinct from field soils.

- > A desirable medium should be a good balance between physical properties like water holding capacity and porosity.
- > The medium should be well drained.
- Medium which is too compact creates problems of drainage and aeration which will lead to poor root growth and may harbour disease causing organisms.
- > Highly porous medium will have low water and nutrient holding capacity, affects the plant growth and development.
- The media reaction (pH of 5.0 to 7.0 and the soluble salt (EC) level of 0.4 to 1.4 dS/m is optimum for most of the Polyhouse crops).
- ➤ A low media pH (<5.0) leads to toxicity of micronutrients such as iron, zinc, manganese and copper and deficiency of major and secondary nutrients while a high pH (>7.5) causes deficiency of micronutrients including boron.

- A low pH of the growth media can be raised to a desired level by using amendments like lime (calcium carbonate) and dolomite (Ca-Mg carbonate) and basic, fertilizers like calcium nitrate, calcium cyanamide, sodium nitrate and potassium nitrate.
- A high pH of the media can be reduced by amendments like sulphur, gypsum and Epsom salts, acidic fertilizers like urea, ammonium sulphate, ammonium nitrate, mono ammonium phosphate and aqua ammonia and acids like phosphoric and sulphuric acids.
- ➤ It is essential to maintain a temperature of the plug mix between 70 to 75°F. Irrigation through mist is a must in plug growing. Misting for 12 seconds every 12 minutes on cloudy days and 12 seconds every 6 minutes on sunny days is desirable.
- > The pH of water and mix should be monitored regularly.

#### Watering system

Micro irrigation system is the best for watering plants in a Polyhouse. Micro sprinklers or drip irrigation equipments can be used. Basically the watering system should ensure that water does not fall on the leaves or flowers as it leads to disease and scorching problems. In micro sprinkler system, water under high pressure is forced through nozzles arranged on a supporting stand at about 1 feet height. This facilitates watering at the base level of the plants.

#### Fertigation system

In fertigation system an automatic mixing and dispensing unit is installed which consists of three systems pump and a supplying device. The fertilizers are dissolved separately in tanks and are mixed in a given ratio and supplied to the plants through drippers.

#### **Fertilizers**

Fertilizer dosage has to be dependent on growing media. Soilless mixes have lower nutrient holding capacity and therefore require more frequent fertilizer application. Essential elements are at their maximum availability in the pH range of 5.5 to 6.5. In general Micro elements are more readily available at lower pH ranges, while macro elements are more readily available at pH 6 and higher.

# PRODUCTION PLAN OF HIGH VALUE VEGETABLES & FLOWERS IN POLYHOUSES / SHADENET HOUSES

- Plan 1 : Capsicum (July-March) + Cucumber (April-June)
- Plan 2 : Cucumber (June-Sept) + Marigold (Oct-Dec) + Cucumber (Jan-Mar) + Coriander (April-May)
- Plan 3 : Beans (May-Aug) + Tomato (Sept-Feb) + Cucumber / Summer squash (Mar-May)
- Plan 4 : Capsicum (July Dec) + Tomato (Jan April) + Leafy vegetables (May-June)
- Plan 5 : Cucumber ( July October) + Broccoli/Red Cabbage (Oct Feb) + Leafy Vegetables / Summer squash (Mar-June)
- Plan 6 : Gerbera (July-March) + Leafy Vegetables (April-June)
- Plan 7 : Gerbera (July Dec ) + **Chrysanthemum** (Day neutral varieties)
- Plan 8 : Carnations (For mid climates) (Agency areas of Vizag and East Godavari dist, & Chittoor Dist. (Madanapalli)

#### Shadenet Cultivation (30% / 50% Shadenet)

- Plan 1 : Capsicum (July-March) +Cucumber(April-June)
- Plan 2 : Nursery (May-Aug) + Tomato (Sept-Feb) + Cucumber (Mar-May) (30% shadenet)
- Plan 3 : Gerbera (July-March) + Leafy Vegetables (April-June)

#### **Suitable Varieties**

Capsicum: Indra, Orabelle, Bachata, Color Capsicum

Tomato: Indeterminate (Himsona, NS-247, NS-537, US-2853)

: Semideterminate ( US-618, US-1143, Abhinav, Lakshmi, Anup)

: Tanuja and Novara

Cucumber : Malini, Seethal, Tripti, US-6125, Valistar, Multi Star and Kafka

French bean: Super king, Classic –NZ (Pole types)

: Arka Komal, Arka Suvidha, Contender (Bush types)

Red Cabbage: Red jewel

Broccoli : Pusa KTS -1, Fantacy etc.,

## DAY TO DAY OPERATIONS IN POLYHOUSES

## గ్రీన్మ్ హాస్ట్ లో క్యాప్తికమ్ సాగులో తీసుకొంనవలసిన జాగ్రత్తలు

## అధిక ఉష్ణోగతను తగ్గించే చర్యలు :

- ﴿ గ్రీన్హాస్ లోపల ఉష్టోగ్రత 30°C కంటే అధికంగా వెళ్ళినట్లైతే గ్రీన్హూస్లో నడక కోసం ఉపయోగించే దారుల్లో నీళ్ళు పిచికారి చేయాలి.
- మధ్యాహ్నం సమయంలో 45 నిమిషముల వ్యవధిలో 4 నుండి 5 సార్లు ఫాగర్స్ వేయాలి. దీని వలన 4 to 5°C ఉష్టోగత తగ్గుతుంది.
- గీన్హాస్ వెలుపల పై భాగంలో స్పింక్లర్లు అమర్చడం ద్వారా 3 to 4°C ఉష్టోగ్రత తగ్గుతుంది.

## సస్యరక్షణ చర్యలు :

- గ్రీనిపాస్ ద్వారం దగ్గర వెలుపల 1:10 నిప్పత్తిలో ఫార్మాల్డ్మిహైడ్ కలిపిన నీళ్ళను నిల్వచేసి పాదాలు అద్దాప ములో తడిపి లోనికి ప్రవేశించాలి.
- గ్రీన్ఫోన్ చుట్టా 2 మీటర్ల వెడల్పులో కంచె పంట (ట్రాప్క్రాప్) వేసుకోవాలి. బంతిపూలు పెంపకము చేపట్టడం వల్ల రసం పీల్పే పురుగలు త్రిప్ప్, అఫిడ్స్, పచ్చపురుగు వంటి పురుగలను నియంత్రిచవచ్చు.
- ఔడ్ తయారీ సమయంలోనే 4000చ.మీ. విస్తీర్ణంలో టి.విరిడి, సుడోమోనాస్,టి.హర్జీయానం లాంటి జీవ సీలీంద్రనాశినిలను పశువుల ఎరువుతో కలిపి వేయాలి. దీని వల్ల బ్యాక్టీరియ ఎండుకుళ్ళు, మచ్చ తెగులు, ఎండుకొమ్మ తెగులను నియంతించవచ్చు.
- 🕨 జిగురు పూసిన పనుపు, నీలం రంగు కార్మలను 4000 చ.మీ.కు 40 చొప్పున వాడాలి.
- 4000 చ.మీ. విస్తీర్ణమునకు లింగాకర్వణ (ఫిరోమోన్ ట్రాప్) 20 బుట్టలు వాడాలి.
- ఓ లీఫింగ్ (ఆకులు తొలగించుట) చేసేటప్పుడు చేతులను పాలలో ముంచి ఆకులు తొలగించవలెను. దీని వలన వైరస్ వ్యాష్టిని అరికట్టవచ్చును. తీసివేసిన ఆకులను, కొమ్మలను వెంటనే బయట తీసివేయాలి.

## గ్రీన్**హౌస్**లో జర్గరా సాగులో తీసుకొనవలసిన జాగ్రత్తలు

## అధిక ఉష్ణోగతను తగ్గించే చర్యలు :

- గ్రీన్హాస్ లోపల ఉష్టోగ్రత 30°C కంపే అధికంగా వెళ్ళినట్లైతే గ్రీన్హూస్లో నడక కోసం ఉపయోగించే దారుల్లో నీళ్ళు పిచికారి చేయాలి.
- మధ్యాప్నాం సమయంలో 45 నిమిషముల వ్యవధిలో 4 నుండి 5 సార్లు ఫాగర్స్ వేయాలి. దీని వలన 4 to 5°C ఉష్యోగ్రత తగ్గుతుంది.
- గ్రీనోహాస్ వెలుపల పై భాగంలో స్పింక్టర్లు అమర్చడం ద్వారా 3 to 4°C ఉష్మోగత తగ్గుతుంది.
- గ్రీన్హాస్ ద్వారం దగ్గర వెలుపల 1:10 నిప్పత్తిలో ఫార్మాల్డ్ హైడ్ కలిపిన నీళ్ళను నిల్వచేసి పాదాలు అద్దావ ములో తడిపి లోనికి ప్రవేశించాలి.

## సస్యరక్షణ చర్యలు :

- గ్రీనోహాస్ చుట్టూ 2 మీటర్ల వెడల్పులో కంచె పంట (ట్రాప్జ్రాప్) వేసుకోవాలి. బంతిపూలు పెంపకము చేపట్టడం వల్ల రసం పీల్పే పురుగలు త్రిప్ప్, అఫిడ్స్, పచ్చపురుగు వంటి పురుగలను నియంత్రిచవచ్చు.
- జెడ్ తయారీ సమయంలోనే 4000 చ.మీ. విస్తీర్ణంలో టి.విరిడి, సుడామోనాస్, టి.హర్డియానం లాంటి జీవ సీలీం ద్రనాశినిలను పశువుల ఎరువుతో కలిపి వేయాలి.
- జిగురు పూసిన పనుపు, నీలం రంగు కార్మలను 4000 చ.మీ.కు 40 చొప్పున వాడాలి.
- > 4000 చ.మీ. విస్తీర్ణమునకు లింగాకర్వణ (ఫిరోమోన్ ట్రాప్) 20 బుట్లలు వాడాలి.

వ.నెం.	సమస్య	నివారణ మందులు	మోతాదు
		వేపనూనె(10000 PPM)	3 మి.లీ. /1 లీటరు నీటికి
1	తెల్ల <i>దో</i> మ	పెగనస్(డయాఫెన్ధయురాన్	1 గ్రా /1 లీటరు నీటికి
		్రైడ్(అసిటమా <sub>టి</sub> డ్	0.4 గ్రా /1 లీటరు నీటికి
		నువాన్ (డైక్లోరోపాస్)	1 మి.లీ. /1 లీటరు నీటికి
2	A5 3.45	వర్టిమెక్(అబామెక్టిన్)	1 మి.లీ. /1 లీటరు నీటికి
2	లీఫ్ మైనర్	్రైడ్(అసిటమా <sub>టి</sub> డ్)	0.4 గ్రా /1 లీటరు నీటికి
		వేపనూనె (10000PPM)	3 మి.లీ. /1 లీటరు నీటికి

		రీజెంట్ (ఫిప్రానిల్)	2 మి.లీ. /1 లీటరు నీటికి
3	త్రిప్స్	అక్టరా (ధయోమిధాక్సామ్)	0.5 గ్రా / 1 లీటరు నీటికి
- 27		కాన్ఫిడార్ (ఇమిడాక్లోప్రిడ్)	0.5 గ్రా / 1 లీటరు నీటికి
		నీళ్ళు (స్పే	
4	రెడ్మెట్ (ఎర్రనల్లి)	వెట్టబుల్ సల్ఫర్ (నీటిలో కరిగే గంధకం)	1.5 గ్రా /1 లీటరు నీటికి
		వర్టిమెక్(అబామెక్టిన్)	1 మి.లీ. /1 లీటరు నీటికి
	X X	మెజిస్టర్ ( ఫెనజాక్విస్)	1 మి.లీ. /1 లీటరు నీటికి
		వేపనూనె(10000 PPM)	3 మి.లీ. /1 లీటరు నీటికి
3	మొగ్గ / ఆకుతినే గొం గళి పురుగు	అవాంట్ (ఇండాక్సికార్బ్)	1 మి.లీ. /1 లీటరు నీటికి
		లార్విన్ (థయోడికార్బ్)	1 గ్రా / 1 లీటరు నీటికి
1, 1	నిమటోడ్స్	వేపచెక్క	30 నుండి 50 గ్రా / 1 మొక్కకు
4		కార్బోప్యూరాస్ గుళికలు	10 గ్రా /1 చ.మీ
5	మీలీబగ్	నువాన్ (డైక్లోరోపాస్) + నువా <sub>ర్</sub> కాన్ (మోనోకోటోఫాస్)	1.5 మి.లీ. +2 మి.లీ. /1 లీటరు నీటిక్
6	వేరుకుళ్ళు	అలియట్ (ఫాస్టిబైల్ అల్యూమిని యమ్)	1 గ్రా /1 లీటరు నీటికి
	· ·	కఫ్టాఫ్ ( కప్పాన్)	2 గ్రా /1 లీటరు నీటికి
	ATT IN THE SMEASURE	కొసైడ్ (కాపర్ హైడ్రాక్సైడ్)	2 గ్రా /1 లీటరు నీటికి
7	మొవ్వ కుళ్ళు	ఆలియట్ (ఫాస్టిబైల్ ఆల్యూమిని యమ్)	1 గ్రా /1 లీటరు నీటికి
8	ఆల్టర్నేరియా ఆకుమచ్చ	బావిస్టిన్ (కార్బండజిమ్) + మ్యాం కోజెబ్ (ఎమ్-45)	1 గ్గా + 2.5 గ్గా / 1 లీటరు నీటికి
		వెట్టబుల్ సల్ఫర్	1.5 గ్రా / 1 లీటరు నీటికి
9	బూడిద తెగులు	కరధేన్ (డైనోకాప్)	0.4 మి.లీ. / 1 లీటరు నీటికి
		ఇంథెక్స్ (మైక్లోబుటానిల్)	0.5 గ్రా / 1 లీటరు నీటికి

W4115		ఇంథెక్స్ (మైక్లోబుటానిల్)	0.5 గ్రా / 1 లీటరు నీటికి
10	బోటైటిస్ (నల్లమచ్చ)	బావిస్టిన్ (కార్బండజిమ్) + మ్యాం కౌజెబ్ (ఎమ్-45)	1 గ్రా + 2.5 గ్రా / 1 లీటరు నీటికి
11	బ్యాక్టీరియాల్ జ్ఞైట్ (గో ధుమ రంగు మచ్చలు పువ్వు రెక్కలెపైన కొమ్మ లెపైన)	్రైష్టాసైక్లిన్ + కోసైడ్ (కాపర్ హైగ్ డాక్ష్మెడ్)	0.2 గ్రా + 2 గ్రా / 1 లీటరు నీటికి

#### వాడకూడని మందులు

హోస్మాధియాన్ (ట్రయజోఫాస్), టిల్ట్ (ప్రాపికొనజొల్), రిడోమిల్ (మెటలక్సిల్+ఎమ్-45), కంటాఫ్ (హక్సాకొనజోల్), స్పార్క్ (డెల్బామిత్రివ్+ట్రయజోఫాస్) టోఫాస్ (పెన్కొనజోల్) క్యుర్మాక్రాన్ (ప్రాఫెనోఫాస్)

## గ్రీన్**ప**ాస్ల్ కార్మేషన్ సాగులో తీసుకొనవలసిన జాగ్రత్తలు

## అధిక ఉష్ణోగతను తగ్గించే చర్యలు :

- గ్రీన్హాస్ లోపల ఉష్టోగ్రత 30°C కంబే అధికంగా వెళ్ళినట్లైతే గ్రీన్హూస్లో నడక కోసం ఉపయోగించే దారుల్లో నీళ్ళు పిచికారి చేయాలి.
- మధ్యాహ్నం సమయంలో 45 నిమిషముల వ్యవధిలో 4 నుండి 5 సార్లు ఫాగర్స్ వేయాలి. దీని వలన 4 to 5°C ఉష్మోగత తగ్గుతుంది.
- గ్రీన్హాస్ వెలుపల పై భాగంలో స్పింక్టర్లు అమర్చడం ద్వారా 3 to 4°C ఉష్టోగత తగ్గుతుంది.
- గ్రీన్హాస్ ద్వారం దగ్గర వెలుపల 1: 10 నిప్పత్తిలో ఫార్మాల్డ్ హైడ్ కలిపిన నీళ్ళను నిల్వచేసి పాదాలు అద్రావ ములో తడిపి లోనికి ప్రవేశించాలి.

#### సస్యరక్షణ చర్యలు :

- గ్రీనోహాస్ చుట్టూ 2 మీటర్ల వెడల్పులో కంచె పంట (ట్రాప్జ్రాప్) వేసుకోవాలి. బంతిపూలు పెంపకము చేపట్టడం వల్ల రసం పీల్పే పురుగలు త్రిప్ప్, అఫిడ్స్, పచ్చపురుగు వంటి పురుగలను నియంత్రిచవచ్చు.
- జెడ్ తయారీ సమయంలోనే 4000 చ.మీ. విస్తీర్ణంలో టి.విరిడి, సుడోమోనాస్, టి.పార్జీయానం లాంటి జీవ సీలీం ద్రనాశినీలను పశువుల ఎరువుతో కలిపి వేయాలి.
- జిగురు పూసిన పసుపు, నీలం రంగు కార్మలను 4000 చ.మీ.కు 40 చెప్పున వాడాలి.
- > 4000 చ.మీ. విస్తీర్ణమునకు లింగాకర్వణ (ఫిరోమోన్ ట్రాప్) 20 బుట్టలు వాడాలి.

## కార్నేషన్ సాగులో సస్యరక్షణ చర్యలు

వ.నెం.	సమస్య	నివారణ మందులు	మోతాదు
		రీజెంట్ (ఫిప్రానిల్)	2 మి.లీ. /1 లీటరు నీటికి
1	త్రిప్ప్	్రొడ్ (అసిటమాబ్రిడ్)	0.4 గ్రా / 1 లీటరు నీటికి
		అక్టరా (ధయోమిధాక్సామ్)	0.5 గ్రా / 1 లీటరు నీటికి
		నీళ్ళు (స్పే	1 మి.లీ /1 లీటరు నీటికి
2	రెడ్మెట్ (ఎర్రనల్లి)	ఊమైట్ (ప్రాపెగైట్)	1.5 గ్రా /1 లీటరు నీటికి
		వెట్టబుల్ నల్ఫర్	

	మొగ్గ తొలుచు పు రుగు	ప్రాక్టైమ్ (అమామెక్టిన్ బెంజోయేట్)	0.2 గ్రా / 1 లీటరు నీటికి
3		డెసిస్ (డెల్టామిత్రివ్)	0.5 మి.లీ /1 లీటరు నీటికి
	ANALYSIS	అవాంట్ (ఇండాక్సికార్బ్)	0.5 మి.లీ /1 లీటరు నీటికి
4	40.0.0	ಪನ್ಮಲ್ (ಪನ್ರಶೆಟ್)	2 గ్రా / 1 లీటరు నీటికి
4	వేరుకుళ్ళు	రిడోమిల్ (మెటలక్సిల్ + M45)	2 గ్రా / 1 లీటరు నీటికి
5	మొవ్వకుళ్ళు	ಷನ್ಮಲ್ (ಷನ್ ಶೆಟ್)	2 గ్రా / 1 లీటరు నీటికి
	ఆకుమచ్చ తెగులు	కంటాఫ్ (హెక్సాకొనజోల్)	2 మి.లీ. /1 లీటరు నీటికి
6	మరియు పువ్వు రె క్కలపై మచ్చలు	టిల్ట్ (ప్రాపికొనజోల్)	1 మి.లీ. /1 లీటరు నీటికి

#### వాడకూడని మందులు

లానెట్ (మిధోమిల్) వర్టిమెక్ (అబామెక్టిన్), కార్బోప్స్యరాన్ రోకో (ధయాప్పనేట్ మిథైల్), పారాధియాన్, పెన్ట్ క్ (డయనోక్లోర్)

## ద్రీన్**హాస్**లో గులాబీ సాగులో తీసుకానవలసిన జాగ్రత్తలు

#### అధిక ఉష్ణోగతను తగ్గించే చర్యలు :

- /ဨీన్హాస్ లోపల ఉహ్హేగ్రత 30-C కంటే అధికంగా వెళ్ళినట్లైతే గ్రీన్హూస్లో నడక కోసం ఉపయోగించే దారుల్లో నీళ్ళు పిచికారి చేయాలి.
- మధ్యాహ్నం సమయంలో 45 నిమిషముల వ్యవధిలో 4 నుండి 5 సార్లు ఫాగర్స్ వేయాలి. దీని వలన 4 to 5°C ఉష్యోగ్రత తగ్గుతుంది.
- గ్రీన్హోస్ వెలుపల పై భాగంలో స్పింక్లర్లు అమర్పడం ద్వారా 3 to 4°C ఉష్మోగత తగ్గుతుంది.
- గ్రీనిపాస్ ద్వారం దగ్గర వెలుపల 1: 10 నిప్పత్తిలో ఫార్మాల్డిహైడ్ కలిపిన నీళ్ళను నిల్వచేసి పాదాలు అద్రావ ములో తడిపి లోనికి స్థవేశించాలి.

#### సస్యరక్షణ చర్యలు :

- ﴿ గ్రీన్హాస్ చుట్టూ 2 మీటర్ల వెడల్పులో కంచె పంట (ట్రాప్క్రాప్) వేసుకోవాలి. బంతిపూలు పెంపకము చేపట్టడం వల్ల రసం పీల్పే పురుగలు త్రిప్స్, అఫిడ్స్, పచ్చపురుగు వంటి పురుగలను నియంత్రిచవచ్చు.
- జెడ్ తయారీ సమయంలోనే 4000 చ.మీ. విస్తీర్ణంలో టి.విరిడి, సుడోమోనాస్, టి.హర్జియానం లాంటి జీవ సిలీం ద్రనాశినీలను పశువుల ఎరువుతో కలిపి వేయాలి.
- జీగురు పూసిన పనుపు, నీలం రంగు కార్మలను 4000 చ.మీ.కు 40 చొప్పున వాడాలి.
- > 4000 చ.మీ. విస్తీర్ణమునకు లింగాకర్వణ (ఫిరోమోన్ ట్రాప్) 20 బుట్టలు వాడాలి.

గులాబి సాగులో సస్యరక్షణ చర్యలు					
వ.నెం.	. సమస్య నివారణ మందులు		మోతాదు		
		రీజెంట్ (ఫిప్రానిల్)	2 మి.లీ. /1 లీటరు నీటికి		
		్రైడ్ (అసిటమాప్రిడ్)	0.4 గ్రా / 1 లీటరు నీటిక్		
1	త్రిప్ప	అక్టరా (ధయోమిధాక్సామ్)	0.5 గ్రా / 1 లీటరు నీటికి		
		లామ్డా సైలోత్రిన్+ వేపనూనె 10000ppm	0.5 మి.లీ + 3 మి.లీ./ 1 లీటరు నీటికి		
		నీళ్ళు (స్పే	1 మి.లీ /1 లీటరు నీటికి		
2	రెడ్మైట్ (ఎర్రనల్లి)	ఊమైట్ (ప్రాపెగ్రెట్)	1.5 గ్రా /1 లీటరు నీటికి		
		వెట్టబుల్ నల్ఫర్	1.5 గ్రా /1 లీటరు నీటికి		

		స్రాక్టైమ్ (అమామెక్టిస్ బెంజోయేట్)	0.2 గ్రా / 1 లీటరు నీటికి
3	మొగ్గ తొలుచు పురుగు	డెసిస్ (డెల్బామిత్రిన్)	0.5 మి.లీ /1 లీటరు నీటికి
	62	అవాంట్ (ఇండాక్సికార్బ్)	0.5 మి.లీ /1 లీటరు నీటికి
		స్కార్ (డయాపెన్ కనజోల్)	1 మి.లీ /1 లీటరు నీటికి
4	4 బూడిద తెగులు	వెట్టబుల్ నల్ఫర్	1.5 గ్రా /1 లీటరు నీటికి
		ಇಂಥಿಕ್ಸ್ (ಮುಕ್ಲ್ ಬುಟ್ ನಿಲ್)	0.5 గ్రా / 1 లీటరు నీటికి
្ធ		రిడోమిల్ (మెటలక్సిల్ + M45)	2 గ్రా / 1 లీటరు నీటికి
5	బూజు తెగుళ్ళు	అమిస్టర్ (అజాక్సిస్ట్రాబిన్)	1 మి.లీ. /1 లీటరు నీటికి

#### **General problems of fertigation**

Nitrogen tends to accumulate at the peripheries of wetted soil volume. Hence, only roots at the periphery of the wetted zone alone will have enough access to Nitrogen. Nitrogen is lost by leaching and de-nitrification. Since downward movement results in permanent loss of NO3 – N, increased discharge rate results in lateral movement of N and reduces loss by leaching.

#### **Phosphorous**

It accumulates near emitter and P fixing capacity decides its efficiency. Low pH near the emitter results in high fixation.

#### **Potassium**

It moves both laterally and downward and does not accumulate near emitter. Its distribution is more uniform than N&P.

#### **Micronutrients**

Excepting boron, all micronutrients accumulates near the emitter if supplied by fertigation. Boron is lost by leaching in a sandy soil low in organic matter. But chelated micronutrients of Fe, Zn can move away from the emitter but not far away from the rooting zone.

#### **Problem management in Polyhouse cultivation**

The troubles which arise in the culture of crops in the Polyhouse may be divided into several groups a) failure to supply the essential factors for optimum growth such as light, moisture, carbon dioxide and heat in amounts necessary for each individual crop b) fertilizer deficiencies c) fertilizer excesses d) toxic gases e) attacks by insects, animals, and allied pests and f) susceptibility to fungus, bacteria and virus troubles.

#### Fertilizer deficiencies

Symptoms of deficiencies of various fertilizers have been studied over a period of years with plants in Polyhouses.

#### **Chlorosis**

This is a term used to denote the loss of normal green colour from the foliage whether it is on the older, more mature leaves or the younger foliage. The entire leaf may be affected, or just areas between the veins, in which case the yellowing is most usually in irregular patches shading into the green colour. Sometimes only the margin of the leaf or leaflets may be yellow, while the centre of the foliage is almost a normal green.

#### **Necrosis**

This refers to the death of the area severely affected by chlorosis. Necrotic spots or areas can also be caused by spray or aerosol damage, sunscald and other such factors which may have no relation of fertilizer.

#### Nitrogen deficiency

Generally the entire plant becomes lighter green, but the effect will be most noticeable on the older foliage. Gradually the oldest leaves loose their green colour, and most plants become yellow. The flowers are smaller and may lack well-developed colour.

#### Phosphorus deficiency

A purplish coloration developing first on the underside of the petiole, or leaf stem, which spreads to the main veins of the leaf is characteristic of this deficiency.

#### Potassium deficiency

The margins of the leaves of the older foliage become yellow, and the chlorosis progresses toward the mid-portion of the foliage as this deficiency increases in severity. The older leaves may drop in extreme cases of deficiency. Certain fumigants may cause marginal burning or chlorosis, and sometimes droplets of spray or fumigant may result in spots or blotches of chlorotic or necrotic nature.

#### Calcium deficiency

In sand culture, a typical symptom is the development of short clubby roots followed in a matter of several weeks by their death. In many cases insufficient calcium is associated with a low pH of the soil.

#### Iron deficiency

This is a rather common trouble although an actual lack of iron may not be the primary cause. As iron deficiency becomes more intense, necrotic areas appear on scattered portions of the yellow coloured leaves and the affected foliage may drop. Iron can become deficient in soil, but often the symptoms of this deficiency are induced by other causes from injury to the roots by over-watering or over fertilization. Nematodes, or other soil pests interfering with root growth can also induce iron chlorosis symptoms.

#### **Boron deficiency**

The number of cases where this is a limiting factor are few, and most of them are with certain rose and carnation varieties. The new foliage is thick or leathery and quickly becomes chlorotic. The rose flowers are usually very malformed. The stem tip dies, giving rise to growth of shoots immediately below, which in turn die at the tip, and a 'witches broom' effect is observed. Because deficiency symptoms can sometimes be confused with the effects of some other environmental factor of cultural practice, a thorough review of fertilizer application, soil

testing, soil type, watering practices, and other procedures is warranted before hasty conclusions are reached.

#### Fertilizer excesses

An unfortunate belief among many growers is that when a plant does not grow under apparently favorable conditions, the trouble can be overcome by applications of fertilizer. This practice has resulted in untold damage or loss of crops, as more often than not the original trouble could have been too much fertilizer in the soil. If additional fertilizer is applied when no more is needed, the results can be very injurious. Sometimes the difference between a high but safe nutrient level and an injurious nutrient level is not very great and the margin of safety may be extremely small. Therefore, it behaves the grower to test the soil in case of doubt to determine the advisability of fertilizer application.

#### Nitrogen excess

The plants exhibit heavy, rank growth, with large, dark green leaves that are often crisp and break easily. Additional nitrogen may inhibit root action, causing typical symptoms of iron chlorosis. If the root system is killed, the plants wilt excessively and never recover. This yellowing of the top foliage is very common in chrysanthemums and snapdragons. Over 75 ppm of nitrates is not safe.

#### **Phosphorus excess**

Over doses of phosphorus precipitate the iron from the soil solution and make it insoluble and unavailable, causing iron chlorosis to develop. Over 25 ppm may cause trouble.

#### Potassium excess

Up to a certain point, excessive potash apparently is not injurious. Greater amounts inhibit root action and may cause chlorosis, wilting, or immediate death of the plant. Over 60ppm is dangerous.

#### Calcium excess

Usually the pH of the soil will rise when there is excessive calcium. This causes iron chlorosis in many plants and has been called over liming injury. Over 300 ppm is high.

#### Iron excess

In the normal pH range of soil, there is little danger of excessive iron since phosphorus or calcium will precipitate it from the soil solution. At ph 5.0 or lower, iron becomes very soluble, and on hydrangeas brown dots appear on the leaves, indicating iron is being precipitated as water vapor is lost by transpiration.

#### Sulfate excess

A low pH may often be characteristic of soils high in sulfates. Sometimes high sulfates are encountered at pH 6.5. Over 600 ppm is toxic to most plants.

#### **Boron excess**

This trace elements is often found in soil to which unleached cinders have been added or where boric acid has been applied indiscriminately. Certain water supplies may have rather high amounts of boron. On roses, the serrations on the margin of the leaflets of the lower leaves turn black and the remaining leaves turn yellow and drop.

#### Aluminum excess

This is not troublesome except on hydrangeas that are being blued. Roots are burnt, and the plants wilt.

#### Soluble salts excess

Too much fertilizers in the soil injures or kills roots, and plant growth is severely reduced.

#### Remedial measures for excess fertilizer

When fertilizer levels rise to the point where they become toxic, immediate steps must be taken to remove the excessive materials. Excessive nitrogen leaching with heavy waterings and application of of straw mulch Excessive phosphorus can not be leached. Only by addition of lime or iron sulfate Excessive potassium leaching may wash some quantity, but in clay soils removal may be almost impossible. Excessive calcium Acidifying the soil excessive iron Raising the pH or by addition of phosphorus excessive sulfates Leaching and avoiding the use of sulfate forms of fertilizers excessive boron Water glass, or sodium silicate can be dissolved in water at the rate of 100 cubic centimeters per gallon and applied to the soil. Excessive aluminum raising the pH or by adding phosphorus excessive soluble salts leaching.

#### Injury by toxic gases

#### Natural gas

This gas usually contains 95 per cent methane and 4 to 5 per cent ethane and frequently causes injury to Polyhouse plants. The common source of injury is from corroded or leaky gas pipes inside or outside the Polyhouse. This injuries usually occur during winter when the ventilators kept closed. Very small concentrations of gas are sufficient to cause damage to plants, its detection is difficult by sense of smell. One part to 350 will cause a headache after 2 hours, whereas 1 part of natural gas in 10,000 to 100,000 of air will injure many plants. The best method of detection is through the use of tomato plants. In the presence of gas the leaves of tomato turn downward, because of epinastic response, which causes petioles of leaves to grow more rapidly on the upper side. Carnations exposed to low concentrations will develop long stigmas, but this may also occur in bright weather in unshaded Polyhouses. In case of prolonged exposure of young buds even 1 part to 100,000 may kill the buds and flowers fail to develop. Rose foliage on the upper shoots exhibits epinasty, or a bending downward of the

petiole. Severe leaf drop may follow and the flower colour often fades. Bulbous plants usually develop twisted foliage and the flowers do not open properly.

#### Ethylene gas

This gas apparently is a by-product of metabolic processes and is given off in very small quantities by plants or their parts. Dropping of flowers after pollination is thought to be associated with ethylene vapors. The carnation flowers close or may appear "sleepy", that is, the ends of the petals curl inward due to ethylene gas.

#### Sulphur dioxide

In very low concentrations this gas is toxic to plants. Sulphur dioxide enters the leaf through open stomata and kills the cells nearby, thus showing patches of dead tissues scattered over the leaf and frequently affecting the margins. Middle-aged leaves are more susceptible than young leaves.

Damage from sulphur dioxide is commonly found in localities where coal is burnt in large quantities. Foggy days are particularly dangerous. The common practice of using sulphur on heating pipes in rose houses to control mildew is responsible for leaf drop on some varieties.

#### Mercury damage

Many plants are quickly damaged by vapors from metallic mercury. This damage is manifested in roses by peduncles of young buds turning yellow and later black. The color of flowers turns dark and leaves are scorched. Breaking of mercury thermometers or the use of bi chloride of mercury on beds as a disinfectant is the usual way in which mercury may be released. Control measures consist of removing all possible traces of mercury and covering the areas where mercury was spilled or applied with a 2-inch thickness of iron filings. Paint containing mercury as a fungicide should not be applied to rose houses.

#### 2,4-D

The fumes of 2,4- dichlorophenoxy acetic acid and related compounds used as weed killers cause bending, curling, and other malformations of leaves, stems, flowers or bracts. Fumes or 'drift' from a spray applied along the side of a Polyhouse may enter through the doors or side vents cause trouble. Therefore, it is well to prevent trouble by keeping such sources of potential damage out of the Polyhouse, boiler room, potting shed, or any place where the fumes could conceivably enter a Polyhouse.

#### Phenol compounds

Many materials containing phenol or its derivatives are toxic to plants. Tar, carbolic acid, pentachlorophenol and many others of similar nature should never be used under glass. Treatment of wooden bench members with wood preservatives containing phenol compounds results in severe damage to the plants.

## **PATTERN OF ASSISTANCE**

I. PROPOSED MODELS ALONG WITH UNIT COST FOR DIFFERENT SIZES / MODELS OF POLYHOUSES & SHADENET HOUSES IN A.P.

SI.	Component	500	800	1000	2000	3000	4000	Financial
No.	Component	Unit cost (Rs.)	Assistance					
	Standard Models							
1	Poly House Model-I	1060	-	935	890	875	844	
2	Poly House Model-II	1000	-	935	890	875	844	
3	Poly House (Fan & Pad System)	-	-	1465	-	-	-	
4	Poly Tunnel	-	600	-	-	-	-	
5	Shadenet House - Dome shape	710	-	666	598	580	570	
6	Shadenet House - Dome shape with Thermal screens	710	-	710	710	710	710	
7	Shadenet House - Flat shape	652	-	575	514	498	490	50% of cost
8	Shadenet House - Flat shape with Thermal Screens	710	-	710	710	710	690	limited to 4000 Sq.m
9	Shadenet House - Cable Purlin	615	-	537	462	437	419	per
10	Shadenet House - Cable Purlin with Thermal Screens	710	-	710	689	649	618	beneficiary.
	Multipurpose Shadenet Models							
1	Shadenet House - Flat shape	698	-	645	596	578	571	
2	Shadenet House - Flat shape with Thermal Screens	710	-	710	710	710	710	
3	Shadenet House - Cable purlin	710	-	647	582	560	546	
4	Shadenet House - Cable Purlin with Thermal Screens	710	-	710	710	710	707	

NOTE: New Designs with new specifications will be encouraged as per the request made by the farmer in writing and after getting approval from the Commissioner of Horticulture, A.P., Guntur, the construction must be taken up, otherwise, assistance will not be considered for such units.

## II. PLANT MATERIAL

1	Cost of planting material of high value vegetables grown in poly house (Capsicum, British cucumber & Tomato (Indeterminate type)).	Rs.140/-Sqm	
2	Cost of planting material & cultivation of Orchid & Anthurium under poly house /shade net house.	Rs. 700/-Sqm	50% of cost limited to 4000 Sq.m per
3	Cost of planting material & cultivation of Carnation & Gerbera under poly house/shade net house.	Rs. 610/-Sqm	beneficiary.
4	Cost of planting material & cultivation of Rose, Chrysanthemum and lilum under poly house/shade net house	Rs. 426/Sqm	

## III. ANTI BIRD / ANTI HAIL NETS

1	Anti Bird / Anti Hail Nets	Rs 35/- ner Sam	50% of the total cost limited to
-	Anti Bird / Anti Hail Nets	Rs.35/- per Sqm	4000 sq.mtr. per beneficiary.

### IV. PLASTIC MULCHING

			Rs. 32,000/ha and Rs. 36,800/ha	50% of cost limited to 2 Ha, per
1	Plastic Mulching	,	50% of cost limited to 2 Ha. per	
		for hilly areas.	beneficiary.	

#### Note:

- 1. All the units under Polyhouse / Shadenet House should be constructed through any one of the Registered Firm / Company only.
- 2. Horticulture Engineers should be involved in designing, footing, fabrication and installation of entire Polyhouse / Shadenet houses units and Horticulture Engineers are held responsible for any deviation or any lacuna in the units. The copy of the Administrative sanction letter of the units should be given to Horticulture Engineers and the receipt from them should be acknowledged to the Head office.
- 3. Other than G.I Pipes i.e., MS Pipes etc are not allowed in any part of the Polyhouse / Shadenet houses.
- 4. The expenditure over and above the unit costs shall be borne by the farmer and the unit must be constructed with all components specified in the check list, otherwise the units should not be considered for release of subsidy.
- 5. In case the units which are constructed with higher costs/higher specifications, the subsidy will be limited to the unit costs are approved by the Department of Horticulture.

#### **Terms & Conditions:-**

#### • Title of the land and copy of record of right:

The tile of the piece of land on which the project is proposed to be set up should be in the name of applicant in the capacity of owner or in case of leased land, the Lessee has to produce affidavit for minimum period of 10 years duly notarized for availing subsidy.

- The selected beneficiary who have already availed maximum limit of subsidy is not eligible.
- pH of the irrigation water should be in the range of 5.5 to 7.0 and EC between
   0.1 to 0.3 ms/cm.
- pH of the soil used as propagating material / media should be in the range of
   5.5 to 6.5 and EC between 0.5 to 0.7 ms/cm respectively.
- The selected beneficiaries should be given training programme and exposure visit on concept of protected cultivation, package of practices of high-tech floriculture and high value vegetables.
- The estimated project details designed by the technical consultant as per technical standards of MIDH should be attached to the application.
- Soil and water analysis reports from reputed labs are also to be enclosed to the proposal.
- Protected Cultivation of vegetables should be promoted under MIDH in clusters around major cities/metros. These clusters may be provided with other infrastructural facilities like pre-cooling units, cold storages, refer vans, vending carts etc. and marketing arrangements may be tied up by linking with cooperatives / private retail chain.
- Farmer is responsible for the erection of the Polyhouse / Shadenet House / inset net house.
- A display board depicting "Department of Horticulture" (Assisted Polyhouse with logo of MIDH).
- Subsidy will be released through online transfer to the beneficiary/Firm after joint inspection by the committee members.
- Assistance should not be availed from any Government department. An affidavit duly notarized Rs. 100 stamp paper (format enclosed) to be collected from the farmer along with the proposal.
- Polyhouse flowers, vegetables, medicinal and aromatic plants, spices etc.
   should be considered for cultivation.

- The proposals for construction of Polyhouse / Shadenet house may also be implemented in project mode with credit link back ended subsidy.
- Shade nets of 35 to 75 % shade should be used.
- Documentation with photo graphs to be done at various stages of erection of Polyhouse / Shadenet House and submit to State MIDH cell along with joint inspection report duly indicating the Name of the beneficiary, Extent, Village and Mandal.
- The photograph should clearly depict the board, unit, farmer and also committee members of joint inspection team.

#### After the selection of the beneficiaries:-

- Farmer registration should be done in Hortnet.
- Administrative sanction proceedings will be issued by the District Administration (DMC).
- After undergoing training the farmer should take up the installation of Polyhouse through registered firms / companies with the Department only, as per the technical specifications of MIDH.
- The Firm has to complete the construction of Polyhouse / Shadenet House within
   days from date of issue of administrative sanction proceedings.

<u>Assistance Limit</u>:-The assistance will be released to the beneficiary only through online transfer from Head Office in Two Installments.

The 1<sup>st</sup> Installment will be released after receipt of inspection report from the ADH stating that the structure of the unit is completed without cladding material (i.e., sheet laying) & MI component.

The 2<sup>nd</sup> installment will be released after receipt of Joint Inspection Report from the ADH along with check list in the prescribed format and concerned photos.

# Constitution of Joint Inspection Committee for Polyhouse / Shadenet house & Planting Material under Protected Cultivation

ADH shall organize Joint inspection of the Polyhouse / Shadenet House duly constituting a committee with the following members for approval of state cell:

- 1. PD, MIP / DDH
- 2. Assistant Director of Horticulture (concerned)
- 3. Horticulture Officer
- 4. Horticulture Engineer.
- 5. Banker (in case of bankable project).

The joint inspection report should be sent in format with all necessary certifications. If any of the committee members has not attended the inspection, ADH shall give reasons for not attending the joint inspection.

#### After the completion of the erection of the Polyhouse:

- The beneficiary should submit the work completion certificate to the ADH.
- The beneficiary has to submit all the original bills for the expenditure incurred to the ADH for further processing.
- ADH to co-ordinate with the members of the joint inspection committee and should arrange inspection of the completed Polyhouse.
- Later the committee shall inspect the unit and submit joint inspection report in the (format enclosed).
- Photograph of the unit along with farmer and committee members has to be enclosed to the joint inspection report.
- The joint inspection report in the prescribed format has to be submitted to State
   MIDH cell along with DMC approval for release of subsidy.
- ADH concerned should upload the field photos and bills in hortnet for release of subsidy.
- The subsidy has to be released to the beneficiaries/Firm through online transfer only.

# WORK FLOW & CHECK LIST FOR DOCUMENTS TO BE SUBMITTED TO POLYHOUSE / SHADENET HOUSE / PLANT MATERIAL

SI.No.	Description	Documents to be submitted by / Action to be taken		
1	Application Form –Format-I			
2	Soil & Water Analysis Water Report			
3	Affidavit – Format – II	Farmer		
4	Pattadar Pass Book Copy			
5	Project Estimate			
6	Organization of training programme / Field Visit	HO / ADH		
7	Application filling in Hortnet	Farmer / HO		
8	District Mission Committee Approval	ADH		
9	Issue of Administrative Sanction- Format – III	District Collector		
10	Erection of Polyhouse	Farmer/Firm		
11	1 <sup>st</sup> Joint Inspection after foundation	ADH&HO		
12	Completion & Under Taking – Format – IV	Farmer & Fabricator		
13	Submission of bills & invoices	Farmer / HO		
14	Constitution of Joint Inspection Committee	ADH		
15	Final Joint Inspection Report - Format - V	Committee Members		
16	Sending of copy of joint inspection report	ADH		
16	along with photo graphs to Commissioner of Horticulture.	ADH		
17	Uploading the bills and field photos in Hortnet	ADH		
18	Release of subsidy to the beneficiary through online transfer with the approval of DMC.	СоН		

#### FORMAT - I

### **Department of Horticulture – Government of Andhra Pradesh** (MIDH and State Plan Scheme)

Proposals submitted to District Collector Dist. for sanction of

## Poly House / Shadenet House / Plant Material under

## MIDH / State Plan / RKVY scheme

Recent Passport Size Photograph of Farmer

1	Name of the Farmer		
2	Father / Husband's Name		
3	Village		
4	Mandal	:	
5	Category (SF/MF/OF)	:	
6	Category (SC/ST/BC/OC)	:	
7	Age	:	
8	Educational Qualifications	:	
9	Permanent Address	:	
10	Contact Phone Number	:	
11	Location land – Village – Mandal – District		
12	Total land (acres)	:	
13	Title deed registered sale deed with EC from Register (enclosed)		Yes/No
14	Land status (Own/ Lease)	:	
15	Land survey Number	:	
16	Bore well / open well (specify)	:	
17	Crops grown at present		
18	Energigation to bore well done	:	Yes / No
i	Electricity bill (copy) enclosed	:	Yes/No
19	Type of construction proposed Poly house/ Shadenet house 1) Poly house - Sq.Mt 2) Shadenet houses - Sq.Mt 3) Walking tunnels	:	
20	Types of crops proposed to grow in Poly house / Shadenet house	:	
21	Survey no where the poly house / shadenet house proposed to install		
22	Soil & water analysis as per report		Yes/No
i	Soil - EC PH	:	
ii	Water - EC PH	:	

00	Decal feedite and lab.		V = = /N   =	
23	Road facility available		Yes/No	
24	Nearest Market Point :   Identify proof (Mark) / Voter ID (Furnished) : Yes/N		Vaa/Na	
<u> </u>	Identify proof (Mark) / Voter ID (Furnished)		Yes/No	
ii	Ration Card (Furnished)		Yes/No	
25	Aadhar card No. (Furnished), if so Details of Aadhar Card		Yes/No No:	
26	Bank pass book details	:		
I	Name of the Bank	:		
ii	Branch name – IFSC code	:		
iii	Account Number	:		
iv	First page of bank pass book (enclosed)	:	Yes/No	
27	Whether subsidy availed under this component Yes / No	:	Yes/No	
(a)	If Yes (furnish following details)			
i	Type of structure Poly house / Shadenet house done	:		
li	Area (Sq.Mt)	:		
iii	Year of installation	:		
iv	Subsidy amount availed & Present Status	:		
٧	Subsidy sanctioned by Department	<u>:</u>	(indicate name of the Department)	
vi	Name of the standard & specified firm for construction of Poly house / Shadenet house		Name: Address: Contact No:	
vii	Estimates given by firm for new constructions	:	Rs.	
Viii	Subsidy is allowed as per Govt. norms	:	Rs.	
ix	Non subsidy amount to be born by farmer	:	Rs.	
Χ	Design of poly house given (enclosed)	:	Yes/No	
28	Whether the farmers has Participated in training if any earlier on Protected cultivation	:	Yes / NO	
	IF Yes further details			
i	No. of days trained	:		
ii	Name of the place where he got trained	:		
29	In case of loany cases		Bank consent is to be furnished along with list of documents (enclosed)	
i	Name of the Bank	,		
ii	Details of bank/ Branch Name	<u>:</u>		
30	Preliminary inspection report submitted by Horticulture officer and satisfied all requirements, required for taking up Poly /Shade net Houses	:	Yes/No	

## **Declaration**

	l,
declare th	nat the particulars furnished above are true to the best of my knowledge and I
promise t	hat the benefit obtained from MIDH will be used for the purpose for which it is
given and	d in case of misuse I am liable for any action deemed to be fit by Govt. of
Andhra P	radesh., including recovery of the subsidy amount with 12% interest to the
Governm	ent.
Enclosure	<u>es:</u>
1.	Pattadar Pass Book
2.	Detailed Project Estimate
3.	Soil & Water Analysis
4.	Affidavit
	Signature of the Farmer / Entrepreneur.
	endations of the HORTICULTURE ENGINEER:
	Signature of the HORTICULTURE ENGINEER
	Signature of the Horticulture Officer
	Signature of the Assistant Director of Horticulture
	Signature of the District Collector

## AFFIDAVIT (Rs. 100/- Stamp Paper )

I / We	(Name	of the	Promoter / Director) son of
	Father's Name ) resid	dent of	
( residence address ) d	o hereby solemnly aff	irm and d	eclare here under.
1) That I am the direct	ctor of		,( name of the beneficiary )
having its registered of	fice at		_, ( office address of beneficiary )
and am fully aware	of the facts relating	ig to the	e setting up the Polyhouse at
	(location of the	Polyhous	e) for
(activities to be under	taken by Polyhouse	) and th	e application made to MIDH for
availing assistance und	er Developmental Scl	hemes _	
2) That the terms and	conditions of the scl	heme of I	MIDH under which an application
has been made by the	applicant have been	properly i	read and understood by me and I
affirm that the Polyhou	se / proposal / scher	ne compl	y with the terms and condition of
MIDH and the application	on has been made in	the correc	ct applicable scheme.
3) That the proposed a	ctivities to be underta	aken by th	ne Polyhouse / proposal / scheme
are covered under the	ie above scheme d	of MIDH	and no part of the scheme /
infrastructure of the Po	lyhouse is designed o	r assigne	d to be used for any activity other
than the activities speci	fied in the application	at preser	nt or in the near future.
4) That the information	on provided in the	applicatio	n for availing assistance under
developmental scheme	s –		_ is true and correct to the best of
my knowledge and beli	ef. The estimates of t	the cost o	of Polyhouse / proposal / scheme,
financial viability and op-	perating results have b	been work	ked out / computed as per the rule
and generally accepted	principles and norms	in this re	gard.
5) No Subsidy / grant -	in – aid has been av	ailed by th	ne promoters / directors / partners
/ proprietors for this ne	w project and compo	onent the	reof from central Govt. or any its
agencies.			
6) I / We also solemnly	y affirm that the prop	osed acti	vity in the application for availing
assistance under deve	lopment Schemes _		is a completely
new activity and not a	pre - existing activit	y or any	Component thereof and further I
assure that the unit w	ill be utilized for the	same ac	tivity for which the assistance is
sought from the MIDH	through MIDH of And	hra Prade	esh for the economic period of 15
years. In case, if the u	nit is misused I am lia	able for a	ny action deemed to be fit by the
Govt. of Andhra Prade	sh including recovery	of the a	ssistance amount extended. The

information furnished in the application dated \_\_\_\_\_\_ is true to the best of my knowledge and belief and nothing material has been concealed.

- 7) In case of concealment of any facts in this regard, the MIDH would have right to cancel my application out right at any stage.
- 8) I will display a sign board depicting "Department of Horticulture" (MIDH, Assisted Polyhouse) with logo of MIDH.
- 9) The release of subsidy is subject to actual expenditure, receipts, inspection, MIDH norms etc., In case of any discrepancy / dispute the decision of the Mission Director & Director of Horticulture is final.
- 10) I agree and resolve that the department reserves the right to modify, add or delete any term/ condition without assigning any reason thereof and shall also have right to pre and post inspect / monitor the Polyhouse and verify the related records at any time during the economic life of the Polyhouse by the concerned officers.

#### **DEPONENT VERIFICATION**

Verified on solemn affirmation at _	that the content of
the above affidavit are true to the best of n	ny knowledge and belief and nothing material
has been concealed.	

#### **DEPONENT / COMPETENT AUTHORITY**

(To be signed by Notary with seal)

## PROCEEDING OF THE DISTRICT COLLECTOR,

**DISTRICT** 

Present:

Proce.No
<b>201</b> Sub:- Horticulture Dept District – 2015-16 – Construction of Polyhouse /
Shadenet / Plant Material under Protected Cultivation - Administrative Sanction Orders
- Issued.
Ref: 1. Annual Action Plan 2015-16.
2. Application of Sri S/o,
(V)
, (M)District received through H.O.,
,
&&&
ORDERS:
Sri, S/o,(V),
DISTRICT Sy.No, has
informed that, you have been selected as beneficiary for Construction of Polyhouse
under Protected Cultivation under MIDH for the construction of Polyhouse for
,Sqmt and the eligible subsidy is 50% of the total Cost subject to a maximum
Rs.422/- Per Sqmt limited to 4000 Sqmts s for each beneficiary.
In view of the above, Administrative sanction is hereby accorded to him for
Construction of Polyhouse under Protected Cultivation under MIDH for the construction
of Polyhouse for, Sqmt and the eligible subsidy is 50% of the total unit Cost
subject to a maximum of Rs/- Per Sqmt limited to Sqmts for the beneficiary
duly following the conditions furnished here under to release subsidy by the Department
of Horticulture.
The subsidy will be released subject to the following terms & conditions:-
1. The farmer should follow the Technical Specification for construction of
Polyhouse under Protected Cultivation issued by the MIDH as follows.
2. The farmer should display the board and place in front of the Polyhouse. The

Logo of MIDH and the matter mentioned below.



# Financial Assistance by MIDH & Department of Horticulture

	ANDHRA PRADESH
	Mandal : Component : Sqmt: Assistance :
3.	The farmer should obtain a certificate undertaking with the following matter from
	Polyhouse fabricated firm "Certified that the material supplied and Constructed
	the Polyhouse as per the guidelines and standard fixed by the MIDH and the
	area constructed in Sqmts in the field of Sri/
	Smt
	Village of Mandal of
	DISTRICT. "
4.	The farmer should submit affidavit on Rs. 100/- Stamp Paper with notary about
	the Polyhouse constructed by him (Copy enclosed).
5.	The beneficiary should undergo 3 days training as per the Schedule given by the
	ADH.
6.	Farmer is responsible for the installation of the Polyhouse / Shadenet / Plant
	Material and for the payment to the fabricator / Supplier.
7.	After completion of work, the subsidy will be released to the farmer based on the
	recommendation of ADH along with the Joint Inspection team certificate.
8.	Subsidy will be released through online transfer to the beneficiary account, after
	receipt of satisfactory joint inspection report from the committee members.
9.	In case of any disputes between farmer and the Manufacturer / Supplier
	regarding Polyhouse and Shadenet House related matters after verification by
	the designated committee & satisfaction of the farmer and manufacturer /
	supplier with the verification report, the manufacturer / supplier only be
	responsible for legal matters in this regard and Department will not be any part of
	legal proceedings, if any.
	District Collector,
	DISTRICT.
То	
Sri	, (V),, (M) DISTRICT
Copy 1	to Horticulture Officer, DISTRICT to Horticulture Engineer

## Format - IV

Dt: .....

st. Director of Horticulture			
District			
COMP	LETION & UNDER	TAKING	
ction / Planting of Polyhou owing materials were supp Material in an area of	use / Shadenet hou plied for construction sq.mtrs	ise / Plant Materia on of Polyhouse / insurvey	al was completed. Shadenet house / no of
Name of the Item	Quantity	Rate	Total
			Amount
Total			
ire of Farmer:	Name Seal	e: :	
	COMP This is to certify that as pertion / Planting of Polyhoutowing materials were supported in an area of South District  Name of the Item  Total	COMPLETION & UNDER  This is to certify that as per the guidelines are ction / Planting of Polyhouse / Shadenet hour owing materials were supplied for construction / Material in an area of	COMPLETION & UNDERTAKING  This is to certify that as per the guidelines and technical stand ection / Planting of Polyhouse / Shadenet house / Plant Material owing materials were supplied for construction of Polyhouse / Material in an area of

#### Format - V

# FORMAT TO CONDUCT FINAL AND JOINT INSPECTION OF POLYHOUSE / SHADENET HOUSE / PLANT MATERIAL BY THE COMMITTEE UNDER PROTECTED CULTIVATION

SI.No.	Name of the Farmer & Address	Category	Village	Mandal	Survey No.	Area in Sq.mtrs.	Crop	Expenditure incurred by the farmer (Rs.)	Subsidy recommended by the committee (Rs.)	Remarks
1	2	3	4	5	6	7	8	9	10	11

#### **Certificates:**

- 1) This is to certify that the above farmer has installed Polyhouse / Shadenet House / Plant Material as per the Technical standards of MIDH.
- 2) This is to certify that all the original purchase bills of the items for expenditure incurred as mentioned in column no. 9 have been verified and found correct.

•••		
3)	This is to certify that the above farmer is eligible to avail subsidy of Rs.	/- as mentioned in column no. 10.
4)	The subsidy amount of Rs.	_/- may be released

Promoter HORTICULTURE ENGINEER HO ADH PD, MIP / DDH

Note: 1. Weight, Length & Required quantity will be varies with the design of the unit and size of the unit for both Polyhouses and Shadenet houses, but unit cost will be considered as per the MIDH rates according to size of the unit.

# **Success Story Capsicum cultivation in Polyhouse**

Name of the farmer :L.Sudhakar Reddy

Name of the farmer :G.Bharathi Devi

Village & Mandal :MC Palli ,

**Vemula Mandal** 

: Rs. 2.8 lakhs

Extent of Polyhouse unit :4000Sq.Mts

Crop cultivated :Capsicum(Yellow & Red)

Date of planting :02-09-2013

Date of First Harvest :28thNov2013

Oty harvested :24.6 Mts

**Cost of cultivation** 

Sale price :Rs43/- per kg

Total Income :Rs 10.58 lakhs

Not in a constant of the const

Net income : Rs.7.78 lakhs





# Success Story Capsicum cultivation in Polyhouse

Name of the farmer : B. Ravindra Reddy

Village & Mandal :Malyala

Thondur (M)

Extent of Polyhouse unit :4000Sq.Mts

Crop cultivated :Capsicum(Yellow & Red)

Date of planting :20-08-2014

Date of First Harvest :Nov2014

Qty harvested :23 Mts

Sale price :Rs 46 to 80/- per kg

Average price : Rs 55/- per kg

Total Income :Rs 12.65 lakhs

Cost of cultivation : Rs. 3.5 lakhs

Net income : Rs. 9.15 lakhs





# SHM – PROTECTED CULTIVATION - SHADENET HOUSE 2014-15

1. Name of the Beneficiary :- Sri. K. Venkateswara Rao, S/o China Nagaiah.

2. Village/ Mandal :- Gollavidipi (V), Y. Palem (M)

3. Area : - 2000 Sq.Mts..

4. Total Cost of the Unit :- Rs.10.93 Lakhs.

5. Subsidy allowed :- Rs 5.39 Lakhs

6. Year of Implementation :- 2014-15

7. Cost of Cultivation :- 3.00 Lakhs

8. Yield per Annum :- 9.00 Lakh Seedlings (In three batches)

9. Returns :- Rs 6..30 Lakhs/- (Rs.0.70 per Seedlings)

10. Net Profit :- 6.30 Lakhs - 3.00 Lakhs = 3.30 Lakhs

+ 0.30 Lakhs (Additional net income with Marigold Cultivation

in offseason) = 3.60 Lakhs

11. Employment Generated :- 600 Man days per Year

12. Merits : - High quality seedlings which are free from pests and

Diseases, getting higher price per each seedling grown in

PolyHouse.



# LIST OF REGISTERED FIRMS / COMPANIES UNDER POLYHOUSES / SHADENET HOUSES

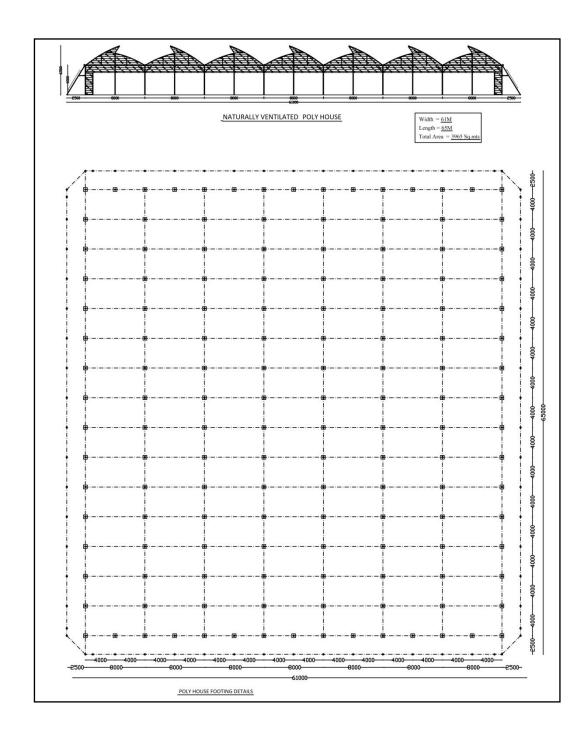
SI. No.	Name of Firm / Company	Address	Contact No.
1	M/s. Hytasu Corporation	#3-6-295, #F2, Pioneer chambers, Hyderguda, Hyderabad -500029, Telangana, India. info@hytasu.com	09848581663
2	M/s. Fynofim Greentech Systems	Plot no 528, Budda nagar, Peerzadiguda, Hyderabad- 500039. fynofim@gmail.com	09966907733
3	M/s. Jain Irrigation Systems Ltd.,	Jain Plastic park, N.H.No.6, Po box no.72, Bambhori, Jalgoan-425001, Maharashtra. jainhyderabad@jains.com	09440797833
4	M/s. Agriplast Protected Cultivation Pvt. Ltd.,	Plot No.30, SIPCOT Industrial Complex, Phase – II, Moranapalli Village, HOSUR – 635109. (Tamil Nadu) ramprasadagri@gmail.com shivannachandru@gmail.com	09440218961 09964323268
5	M/s. Pooja Green House Industries Pvt. Ltd.	Plot No.80, Swapna Apt., Sy. No. 418, Tapodham Col., Talegaon Dabhade – 410 507, Maharashtra. PUNE gsphalle@gmail.com	09850828783 09422027803
6	M/s. Olympic Agrotech	17 SDA, Compound Annexe, Village Lasudia Mori, Dewas Naka, Indore, Madhya Pradesh. jnilgiri@gmail.com	0731-4222599 09424889841
7	M/s. Govind Green House Pvt. Ltd.,	Shubham Complex, Shop no 20, talegaon, hakan Road, Tal-Vadgaon Maval, Pune. govindgreenhouse@gmail.com	09552595280
8	M/s. Indian Green Houses Pvt. Ltd., Pune	7, Namrata Commercial Centre, Talegaon, Dabhade, Tal.Maval, Dist.Pune info@igpl.net.in	09890566999 / 09890996991
9	M/s. Prabhavi Biotech & Trading Pvt. Ltd.	Plot No.73/B, Sector – 4, Govindpura Industrial Area, Bhopal – 462021 (M.P.) info@prabhavibiotech.in	0755-6451050

Further registered firms will be communicated from time to time.

## **DESIGNS**: OPEN VENTILATED (NATURALLY VENTILATED) POLYHOUSE

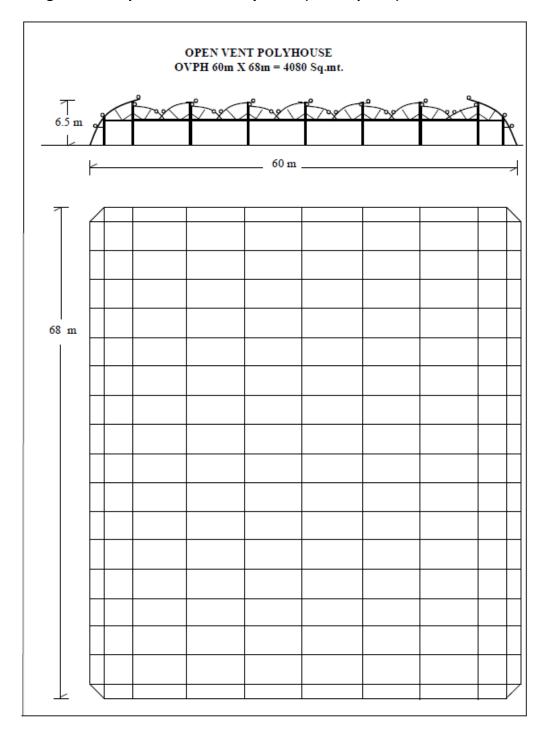
#### **MODEL-I**

Design No. 1.1 Open Ventilated Polyhouse.(3965 Sq.mtrs) OVPH 61 m X 65 m =3965



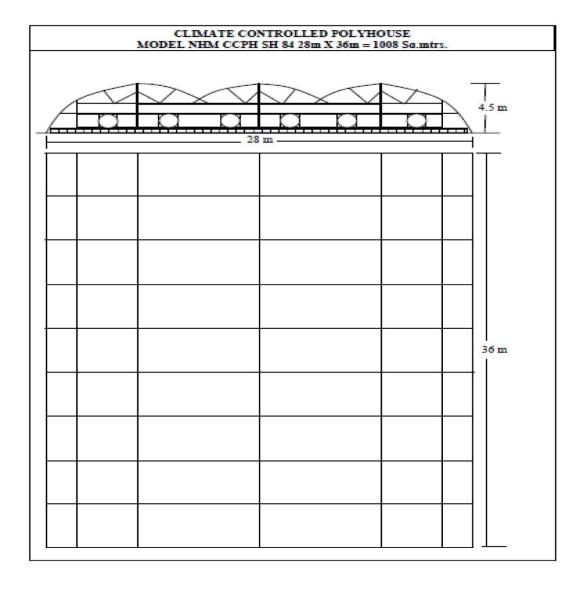
## OPEN VENTILATED (NATURALLY VENTILATED) POLYHOUSE MODEL-II

Design No. 1.2 Open Ventilated Polyhouse. (4080 Sq.mtrs) OVPH 60 m X 68 m = 4080



## **FAN & PAD SYSTEM POLYHOUSE**

Design No. 1.3 Polyhouse (1008 Sq.mtrs) CCPH 28 m X 36 m = 1008



## Table No. 1 : General Specifications for NVPH Models

1.	All members of the structure should be made of Galvanized Iron (GI) with minimum 360 GSM galvanizing
2.	All members should be of minimum 2 mm thickness which shall be verified by equivalent minimum weight as follows- 2 ½"-3.75Kgs/mtr.; 2"-2.9Kgs/mtr.; 1 ½""-2.3Kgs/mtr.;-1 ¼"-2.1Kgs/mtr.; 1"-1.6Kgs/mtr.; ¾"-1.25Kgs/mtr.; ½"-1Kgs/mtr.
3.	Members should not be welded to one another, but fixed with the nut bolts
4.	Members should not have any welded joints upto 6.5 mtrs. length
5.	The overall slope of the foundation should be between 1.25 % and 2 % so as to keep the Gutter slope accordingly
6.	The shape of the Polyhouse should be according to aerodynamic so as to reduce the impact of wind & consequent damage of Polyhouse. The structure should also follow aerodynamics along all four sides with corridors.
7.	Grid should be of 4m X 8m
8.	Top height should be minimum 6.5 mts in all the districts of Andhra Pradesh.
9.	Gutter height should be minimum 4 mtrs.
	Side curtains should be of minimum 3.5 – 4.0 m height.
1.0	Insect net 35 mesh fixed and polythene movable fitted to curtain pipe with plastic/GI clamps and supported by GI guard 20/22 mm OD pipes 2.0 mm thick on corridor pipes
10.	(or)
	Mono filament Shadenet 35% can be adopted in the place of Insect net wherever farmer
	desires to have, if the Arid climate & Humidity levels are high in their area.  Top Vent should be of minimum 1.2 m height. This vent should be closed with insect
11.	proof net of maximum of 20 mesh size and this should be closed after the preparation of planting beds.
	Cross bracing should be provided as follows-
	Horizontal cross bracing on 4 corners of Polyhouse (For all models) Vertical Cross bracings on 4 corners of Polyhouse (For all models above 1009 Sq.mtrs.)
	(or)
12.	a) Horizontal bracings: 42 OD Horizontal bracing must be provided in each bay of both sides (gable front & rear) i.e., second pillar to top arch of each 8m bay length.
	b) Cross bracings: Every second column top to third column of both sides (gable front & rear) must be connected 42 OD with 2 mm thickness GI pipes to transfer the wind loads to the ground.
	c) Bottom to pillar Bracings: 32mm OD with 2mm thickness 1.2m length bracing to be fixed from pillar to 8m bottom.
13	Gutter orientation must be north and south direction, top ventilation should face East orientation. Based on local conditions East – West gutter is also accepted, in such cases top ventilation should face north.
14	Tractor entry must be provided for the above 2000 sqmt.
15	Balcony width should be 2.5 mts.
16	Chain-pully shall be provided for Monofilament Shadenet underneath the polyhouse.
17	Curtain rod protection box must be provided.
18	Drainage pipe with 6.5 mt must be attached to gutters.
-	

Air circulation by "air circulating fans":

19

- In hot and humid climate, when ambient temperature and humidity are in higher side, it is very natural that both these factors have a tendency to increase further inside a Polyhouses. Under such condition 'air circulating fans' inside the Polyhouse will do a good job to reduce the harmful effect of high humidity and temperature on plant. The increased air flow inside the plant canopy reduces the leaf temperature and disperses the high humidity around leaves, which maintain the transpiration pull of crop. This will work best when coupled with exhaust fans that will throw out the accumulated hot and humid air.
- Small fans with a cubic-foot-per-minute (ft3/min) air-moving capacity of one quarter of the air volume of Polyhouse are sufficient. Place the fans in diagonally opposite corners but out from ends and sides. The goal is to develop circular (oval) pattern of air movement. Operate fans continuously during required period of a day.

<u>NOTE</u>: New Designs with new specifications will be encouraged as per the request made by the farmer in writing and after getting approval from the Commissioner of Horticulture, A.P., Guntur, the construction must be taken up, otherwise, assistance will not be considered for such units.

Table No. 1.1 Specification of GI pipe for NVPH Models

Sr.	Particulars	Size (Outside Diameter)	Size (Nominal
<b>No.</b> 1	Tor bar for hold-fast in foundation	8mm	<b>Diameter</b> )
2			
	Columns	76 mm	2 ½"
3	Foundations for all columns	60 / 76 mm	2" / 2 1/2"
4	Truss bottom-Big	60 mm	2"
5	Truss bottom-Small Sides & Front/Back(F/B)	60 mm	2"
6	All Corridors	60 mm	2"
7	Top cross	43 mm	1 1/4"
8	Corridor support members(sides & F/B)	43 mm	1 1/4"
9	Trusses-Top curved members	48 mm	1 1/4"
10	Purlins-(All except curtain)	48 mm	1 1/4"
11	Door column	48 mm	1 1/4"
12	Door	43 mm	1"
13	Purlins-Curtain	43 mm	1"
14	Truss members (minimum 5 nos per Bay)	33 mm	1"
15	Cross bracing	43 mm	1"
16	Door top	43 mm	1"
17	Curtain-Universal	33 mm	1"
18	Runners (for top UV Film)	27 mm	3/4"
19	Curtain pipe	27 mm	3/4"
20	Curtain handle	27 mm	3/4"
21	Curtain guide	21 mm	1/2"

# TABLE - 2

**GENERAL SPECIFICATIONS FOR FAN & PAD SYSTEM** 

All members of the structure should be made of Galvanized Iron (GI) with minimum 50 microns thick galvanizing All members should be of minimum 2 mm thickness which shall be verified by 2 equivalent Members should not be wielded to one another, but fixed with the nut bolts 4 Members should not have any welded joints upto 6.5 mtrs. Length The overall slope of the foundation should be between 1.25 up to % and 2 % so as to keep the Gutter slope accordingly The shape of the Polyhouse should be according to aerodynamic so as to reduce the impact of wind & consequent damage of Polyhouse. The structure should also follow aerodynamics along two sides with corridors. 7 Grid should be of 4m X 8m Top height should be minimum 4.5 mtrs. Gutter height should be minimum 3 mtrs. Excavation of top loose soil upto 0.45 m deep & 0.3m wide, Brick/UCR soiling below soil surface of 0.2m depth, 0.1m PCC of 1:4:8, 0.23m Brick wall of 0.15m height below soil surface & 0.6m height above ground surface below the pads & below the fans. 10 Brick wall above ground surface shall be duly plastered with two coats of exterior cement paint. OR A rigid independent structure should be provided for installation of Fans, which shall be strong enough so as to give proper support to the Fans & prevent the vibrations from being transferred to the polyhouse structure. Entrance Room should be provided which shall be of minimum 2mtrs Wide X 11 2mtrs.Length X 2.4mtrs. Height, with double door entry system. 12 Distance between the Fans & Pads should not exceed 32mtrs 13 Pads should be necessarily be of Cellulose & no other material shall be allowed

#### **TABLE - 2.1**

#### SPECIFICATIONS OF G.I. PIPE FOR FAN & PAD SYSTEM

- 1 ALL MEMBERS SHALL BE OF MINIMUM 2mm THICKNESS.
- 2 ALL MEMBERS SHOULD BE MADE OF GALVANIZED IRON (G.I.)
- 3 MEMBERS SHOULD NOT BE WELDED BUT FIXED WITH THE NUT & BOLTS
- 4 MEMBERS SHOULD NOT HAVE ANY WELDED JOINTS.

SI.No.	Particulars	Size (Outside Diameter)	Size (Nominal Diameter)
1	Tor bar for hold-fast in foundation	8mm	n.a.
2	All Columns	76 mm	2 ½"
3	Foundations for all Columns	60 mm	2"
4	Truss Bottom-Big	60 mm	2"
5	Truss Bottom-Small F/B	48 mm	1 ½"
6	Truss Bottom-Small Sides	48 mm	1 ½"
7	All Corridors	48 mm	1 ½"
8	Corridor support members	43 mm	1 1/4"
9	Trusses-Top curved members	43 mm	1 1/4"
10	Purlins	43 mm	1 1/4"
11	Door Column	43 mm	1 1/4"
12	Door	33 mm	1"
13	Truss members (minimum 5 nos per Bay)	33 mm	1"
14	Cross bracing	33 mm	1"
15	Door Top	33 mm	1"

SPECIFICATIONS OF OTHER ITEMS FOR FAN & PAD MODELS

**TABLE – 2.2** 

SI. No.	Particulars	Specification	
1	Clamps	Minimum Pre-galvanized G P Sheet 2.0mm thick duly zinc plated.Which resist 400hrs of Salt spray test.	
2	Nuts & bolts	Minimum 10mm High tensile duly zinc Plated. Which resist 150hrs of Salt spray test. For structure joint 6-mm-8mm shall be allow for pertins titting gutter to purlin	
3	Insect net	40mesh/50 mesh UV stabilised below curtains.	
4	Laminated woven PE film for apron	UV stabilized (minimum 140 gsm)and having minimum tearing strenth 140 Kg/m2 should be used for side Apron which shall be of 1m to 1.5m above ground level.	
5	Aluminium profiles	Minimum 190grms per mtr. GI Profiles shall not be allowed.	
6	Springs	Minimum 2.3mm spring steel duly zinc plated & hardened /plastic/powder coated.	
7	Screws	Minimum 20 mm Self drilling tapping.	
8	Shade net	35% or 50% UV stabilized shadenet preferably white colour. 95 gsm for 50 % and 75 GSM for 35%	
9	UV film	Minimum 200 microns thick, UV stabilized diffused Multilayer (Min 3 Layers)	
10	Gutter	Made out of minimum 1mm thick GI or 1.2 mm aluminium Hardened Sheet.& minimum 500 mm perimeter trapezoidal section.	
11	Door	Door should be made out of UV stabilized FRP with minimum 1mm thickness.& fixed on SS heavy Hinges.	
11	GI wire for Shadenet Support	Minimum 12 Gauge G.I wire/PEI min. 2.2 thickness should be used to fix shadenet with sliding arrangement for opening & closing as per requirement.	
12	Pulleys assembly with nuts & bolts	According to standard specification.	
13	Plastic rope	UV stabilised ropes should be used with minimum 4mm thickness.	
14	Curtain rings	Visibly strong & effective	
15	Curtain clamps	Visibly strong & effective.	

TABLE 2.3
SPECIFICATIONS OF FAN & PAD SYSTEM

	Г	For offective engling incide the group haves Fahavet Fore having
		For effective cooling inside the green house Exhaust Fans having heavy galvanised
		steel box frame each having capacity of minimum 20000 CFM at 0
		static pressure. The number of Fans shall be calculated as per the
		requirement so as to maintain temperature inside the green house as
	Exhaust fans	follows-
	(Minimum 50" size &	<b>below</b> When ambient temperature is 42 C & ambient humidity is <b>35°C</b>
1	having about 20000 to	between 30- 40%
	25000 cfm)	<b>Below</b> When ambient temperature is 42 C & ambient humidity is <b>37°C</b>
	· · · · · · · · · · · · · · · · · · ·	between 60- 70%
		Fans shall have SS blades with aerodynamic design so as to give
		maximum efficiency with minimum power consumption, and belt driven
		axcial flow fan, having centrally auto openable louvers & GI sheet &
		Grills.
		4" or 6" thick impregnated cellulose cooling pads of suitable
		area,calculated so as to maintain the temperature inside the green
		house as follows:
		<b>below</b> When ambient temperature is 42 C & ambient humidity is
	Collulado Caalina Dada	35°C between 30- 40%  RelewWhen ambient temperature is 42 C 8 ambient humidity is 37°C
2	Cellulose Cooling Pads	<b>Below</b> When ambient temperature is 42 C & ambient humidity is <b>37°C</b> between 60-70%
		The Pads shall be stifff enough to make it self supporting even at
		continuous water flow and at the same time is efficiently protected
		against any decomposition caused by water and air, resulting in
		minimum working life span of 3 years.
		Water circulating system shall comprise of all Aluminium Frame,
3	Water Circulating	Gutter & Cover,
³	System For Pads	PVC Pipe for water distribution on cooling pad so as to wet the pad
		completely.
		Fogging system, including 16mm Lateral Pipes at a spacing of 3 mtrs.
		& make 4 way
	Fogging System	with antileak distance Foggers at spacing of max. 3 mtrs.PVC submain
4	Fogging System	shall be aloud it buried under ground HDPE Submain, Ball valves, Fittings & accessories, including Disc/Screen Filter & Water storage
		tank (minimum 1000ltrs.)PVC submain shall be allowed it buried under
		ground.
_	Controll Head For Water	Brass/SS/PVC Ball Valves, Flush Valves, Disc/Screen Filter, Water
5	Circulating System	storage Tank of min1000 Ltrs. Capacity, Electricity Pump set of ISI
	- <del>-</del>	mark of sufficient capacity so as to keep the pads always wet.
		Control head consisting of-
		1) Water storage tank having capacity to hold minimum water required
		for continuous operation of fogging system for 1 hour,
	Control Hood for	2) ISI marked Pump having sufficient discharge so as to operate all the
6	Control Head for	foggers at any given time, at minimum pressure of 35mtrs. at the
	Fogging system	point of emitter  3) Sand Filter & Disc Filters having capacity required for above system.
		<ul><li>3) Sand Filter &amp; Disc Filters having capacity required for above system</li><li>4) By-pass assembly, valves, pressure gauge, fitting &amp; accessories</li></ul>
		5) Powder coated Panel box including digital timer, MCB, contactors,
		relays, auto starter, auto manual switch, Voltmeter, wiring, etc.
L		rolayo, addo dartor, addo mandar owiton, voluncior, wiring, cto.

7	Controller	For maintaining the proper & adequate temperature & humidity simultaneously inside the Polyhouse a micro-processed based programmable temperaure, Humidity & time based Controller. User Friendly, with 1 Humidity Probe & 2 temperaure Probes shall be installed. The Controller shall control Pad Pump, Fogger Pump & Fans individually for controlling climate. The controller shall be provided with suitable constant voltage transformer for the safe working of the controller.
8	Control Panel Box	All electricals shall be enclosed inside a control panel duly powder coated and consisting of a set of MCB, relays, contactors, manual / Auto Mode including wiring ISI mark copper cable of suitable size & in closed conduit pipe MCB separate set for each Fans, Pump of Pad & Pump of Foggers
9	Wiring	All electricals shall be connected by using ISI marked copper wire cable of required size. These wires shall be enclosed in ISI marked conduit pipe. The entire electrical work shall be certified by licenced electrical engineer.

## TABLE- 3

S. No	The specification of the Poly Tunnel structures with roof ventilation is as follows:
1	Tunnel with top Ventilation and Trellising. The structure is prefabricated and assembled on site by means of bolts, nuts and washers only, without welding. The structure is made of galvanized steel pipes and profiles for long life. This enables easy implementation and full adaptation to all related subsystems used in modern greenhouse production. The structure is designed for wind speed of 100 km/h & 25kg/m2 vertical load & crop specific.
2	Dimension:
3	Front gable: 8.0 m
4	Side wall: 100m (25x4m)
5	Height: 5.5 m (at vent top bar)
6	Side vent height: 2.5 – 3. meters
7	Covered area of one structure: 800 sq m
8	Column + foundation: made from 90mm pipe
9	Arch: Made off 60mm pipe
10	Along the structure at 2.2m level & on ridge vent, 60x40 C- profile with Omega lockers (with coated springs)
11	Front gables 40x80 profile to support the gable while giving free entrance for cultivation
12	4mm & 4.5mm 1/7 twisted transverse cable & 3mm lengthwise (10) wires for crop trellising
13	2x1.9 pre-galvanized sliding doors covered with 6mm double wall polycarbonate
14	Manual roll-up curtain on both sides, made of 3/4" pipe and same polyethylene as the roof cover,
15	The curtain is secure to the tunnel by 8mm rope.
16	One meter width overlap to ensure rain resistance at the beginning & end of each curtain.
17	Covering and vent open vents
18	5 layered 200 Microns IR 504
19	25 meshes (Top vent) to block penetration of birds and fly's and insect 27% wind, 8-10% shade.
20	A high-density polyethylene net, super-stabilized against UV ray
21	50 meshes (sides vent), anti-insect net
22	The net should be made of monofilaments 120 gsm that are manufactured with special UV-resistant materials, giving the net durability and longevity. It has strong tucked selvedges, and is flexible, light, and easy to spread.25-27% shade. The net will be sewed to a skirt, to block penetrations of animals and heavy weather.
	General information:
1	The structural designs are in accordance with the Israeli standards: Steel standards 1225, load standards 414/1982, 412/1992.
2	Load calculation: 120 km/h & 25kg/m2 vertical load (including self-weight)
3	All metal pipe are made of hot dip pre-galvanized at 275 grams/m2
4	Drip and Foggers
5	Red/ Green Chroma Net as per crop and area specific with 5 years guarantee

# TABLE # 4.0 GENERAL SPECIFICATIONS FOR FLAT TYPE AND ROUND TYPE SHADENET HOUSES

1	ALL pipes should be made of hot dip Galvanized Iron only (300 GSM)
2	All pipes should be of minimum 2 mm thickness
3	All the joints should be fixed with clamps, bolts and nuts only
4	No pipe shall have a welded joint upto 6m length.
5	Shade net houses with 4m height shall be used for cultivation and should be provided with Drip irrigation system and Trellising System as mandatory items

**TABLE # 4.1** 

SPE	SPECIFICATIONS OF GI PIPES IN ROUND TYPE SHADE NET HOUSE - 4m/5m HEIGHT				
	GRID SIZE:	6m x 4m			
	Center Height:	4m/5m	Side Height:	3m/4m	
S.NO	PARTICULARS	PIPE SIZE OD in mm	NOMINAL DIA	Unit wt (kg/m)	LENGTH (m)
1	Foundations for Balcony pipes	48mm/3mm thickness	1.5"	3.5	1.20
2	Foundations for Outer Columns	48mm/3mm thickness	1.5"	3.5	1.00
3	Foundations for Inner Columns	48mm/3mm thickness	1.5"	3.5	0.75
4	Main Columns	60mm/2mm thickness	2"	2.9	3.0/4.0
5	Truss Pipe (Along the gable)	48mm/2mm thickness	1.5"	2.3	6.00
6*	Arch Pipe	48mm/2mm thickness	1.5"	2.3	6.40
7*	Center support pipe	33mm/2mm thickness	1.5"	1.6	1.00
8*	Purlin Pipe (Across the gable)	48mm/2mm thickness	1.5"	2.3	4.00
9*	Corridor/Balcony Pipe	60mm/2mm thickness	2"	2.9	3.6/4.8
10*	Horizontal Member in Corridor	33mm/2mm thickness	1.5"	1.6	1.00/1.20
11*	Knee bracing at all columns	33mm/2mm thickness	1.5"	1.6	1.20
2.5m w	2.5m wide corridors for 4m height shall be provided on all four sides				
*	Lengths upto 200mm may vary from fabricator to fabricator based on their clamping/joint mechanisms/design				

TABLE # 4.2

SPECIFICATIONS OF GI PIPES IN STANDARD SHADE NET HOUSE WITH PIPE PURLINS

	GRID SIZE: 6m x 4	Shade Ne	t Height fron	n GL - 4m	
S.NO	PARTICULARS	PIPE SIZE OD in mm	NOMINAL DIA	Unit wt (kg/m)	LENGTH (m)
1	Foundations for Balcony pipes	48mm/3mm thickness	1.5"	3.5	1.20
2	Foundations for Outer Columns	48mm/3mm thickness	1.5"	3.5	1.00
3	Foundations for Inner Columns	48mm/3mm thickness	1.5"	3.5	0.75
4	Main (All) Columns	60mm/2mm thickness	2"	2.9	4.00
5	Truss Pipe (Along the gable)	48mm/2mm thickness	1.5"	2.3	6.00
6	Purlin Pipe (Across the gable)	48mm/2mm thickness	1.5"	2.3	4.00
7	Corridor/Balcony Pipe	60mm/2mm thickness	2"	2.9	4.80
8	Horizontal Member in Corridor	33mm/2mm thickness	1.5"	1.6	1.20
9 Knee bracing at all columns 33mm/2mm thickness		33mm/2mm thickness	1.5"	1.6	1.20
	2.5m wide corridors for	4m height shall be provide	ed on all four	sides	

<sup>\*</sup> Lengths upto 200mm may vary from fabricator to fabricator based on their clamping/joint mechanisms/design

TABLE # 4.3 SPECIFICATIONS OF GI PIPES IN FLAT TYPE SHADE NET HOUSE WITH PIPE PURLINS - 4m/3m HEIGHT

	GRID SIZE: 6m x 6m						
S.NO	PARTICULARS	PIPE SIZE OD in mm	NOMINAL DIA	Unit wt (kg/m)	LENGTH (m)		
1	Foundations for Balcony pipes	48mm/3mm thickness	1.5"	3.5	1.20		
2	Foundations for Outer Columns	48mm/3mm thickness	1.5"	3.5	1.00		
3	Inner Columns	60mm/2mm thickness	2"	2.9	4.0/5.0		
4	Outer Columns	60mm/2mm thickness	2"	2.9	3.0/4.0		
5	Truss Pipe (Along the gable)	48mm/2mm thickness	1.5"	2.3	6.00		
6	Purlin Pipe (Across the gable)	48mm/2mm thickness	1.5"	2.3	4.00		
7	Corridor/Balcony Pipe	60mm/2mm thickness	2"	2.9	3.6/4.8		
8	Horizontal Member in Corridor	33mm/2mm thickness	1.5"	1.6	1.00/1.20		
9	Knee bracing at all columns	33mm/2mm thickness	1.5"	1.6	1.20		

<sup>\*</sup> Lengths upto 200mm may vary from fabricator to fabricator based on their clamping/joint mechanisms/design

**TABLE # 4.4** 

	SPECIFICATIONS OF STRUCTURE COMPONENTS							
	FLAT TYPE SHADE NET HOUSE WITH CABLE PURLINS - 4M HEIGHT							
		GRID SIZE: 8m x 5m						
S.NO	S.NO COMPONENT Size Unit wt (kg/m) (m)							
1	Foundations for Main Columns	Metal Plate Base with Plug	4.0	0.60				
2	Foundations for balcony pipes	Stay Rod of 14mmOD/ Lip-C profile:3mm	3.5	1.50				
3	Outer Columns	OD: 90mm x 2.6mm / SHS: 60 X60 X2.6mm - ISI	5.5/5.0	4.00				
3	Inner Columns	OD: 60mm x 2.0mm / SHS: 50 X 50 X 2mm	2.9/3.1	5.00				
4	Cable Purlin	HIGH TENSILE GI WIRE ROPE - 6mm/5mm/4mm	1 x 19/7 x 19	As per reqt.				
5	Corridor/Balcony Pipe	RHS: 40 X 20 X 2mm/6mm wire rope	2.0	4.80				
6*	6* Horizontal Member in Corridor RHS: 40 X 20 X 2mm 2.0 1.20							
	2.5 m wide corridors shall be provided on all four sides							
	*Optional	in case of corridors with pipes	_	_				

TABLE # 4.5

SPECIFICATIONS OF OTHER STRUCTURAL ITEMS USED IN ROUND TYPE AND FLAT TYPE SHADE NET HOUSES

SI. NO	PARTICULARS	SPECIFICATIONS
1	CLAMPS	Should be made from minimum 2.5mm thickness MS sheets and hot dip galvanized. The clamps shall resist 400 hours of salt spray test.
2	BOLTS, NUTS AND WASHERS	High tensile bolts, nuts and washers with a minimum size of 3/8" or M10 and Zinc Plated to White or Yellow color. This hardware shall resist 150 hours of salt spray test
3	Galvalume profiles	These profiles made of GI sheet strip of minimum 0.6mm thickness and coated with Aluminum alloy and should have the provision to run two springs.
4	Zig-Zag Springs	The springs shall be made of high tensile steel wire with a minimum diameter of 2.5mm and coated with Zinc /PP/HDPE materials.
5	INSECT PROOF NET	UV stabilized insect proof net(preferably in white color) made of HDPE monofilament fabric to the size of 40mesh/ 50mesh having a minimum weight of 105 GSM.

6	Shade Net - Tape Type	UV stabilized shade net made of tape type yarn from HDPE virgin raw materials. Preferably white Color shade net with 50% shade shall be used for cultivation purposes and Green/Black color shall be used for Nursery applications. The 50% shade net should be of minimum 90 GSM.
7	Shade Net - Monofilament type	UV stabilized shade net made of monofilament yarn from HDPE virgin raw materials. Preferably white Color shade net with 50% shade shall be used for cultivation purposes and Green/Black color shall be used for Nursery applications. The shade net with minimum 115 to 125 GSM should be used in shade net structural applications
8	HUMAN ENTRY	The human entry should be free from the main structural members and foundations. The human entry should be fixed within the balcony area with independent foundations. The human entry shall have a double door entry system with a minimum cubicle size of 4m(L) x 3m(W) x 2m(H). The cubicle shall be made of independent structural members with two doors and covered with Insect proof net / Apron materials. The doors shall not have any gaps or vents, and preferably fitted with air sealing materials.
9	TRACTOR ENTRY	The tractor entry should be free from the main structural members and foundations. The tractor entry should have a minimum size of 2.7m width and 2.7m height with independent structural members. The entry shall have a collapsible door system covered with insect proof net. Air sealing materials shall be used in door system.

TABLE # 4.6

SPECIFICATIONS OF SYSTEMS USED IN ROUND TYPE AND FLAT TYPE SHADE NET HOUSES

S.NO	PARTICULARS	SPECIFICATIONS
1	Trellising System	The trellising system shall be made from high tensile GI wire of 2.5mm OD with a minimum of 50 to 70 GSM Zinc plating. Two wires per bed shall be installed at a height of 3m from Ground level all along the bed. The GI wires should be supported by 5mm wire rope + 4mm GI Wire rope at every 5m across the length of the trellising wire.
2	Drip Irrigation System	Class - II Laterals should be used with a minimum size of 16mm OD. Emitters maximum spacing should be 0.3m with a maximum discharge of 2.1 LPH. Preferably pressure compensated emitting pipe with no-drain should be used in structures. Two laterals per bed shall be laid with a maximum lateral spacing of 0.8m. The Drip Irrigation system shall contain all the essential components like Disc Filter, Manifold and Fertilizer injection system, Main pipes, submain pipes, collection sub main pipes, Air Release Valves, Ball Valves and Flush Valves. All the PVC pipes buried underground shall be of minimum CLASS-II BIS standard.
3	Fogging System	Class - III Laterals should be used with a minimum size of 16mm OD. Maximum lateral spacing should be 3m with a maximum emitter spacing of 3m. Maximum emitter discharge of a 4-way fogger shall be 4 x 7.5lph = 30 LPH. The fogger should be able to create a droplet of size less than 90 microns. Foggers with anti drain valves should be operated at a minimum pressure of 3kgf/sq.cm.

4	Over head sprinkler System	Class - II Laterals should be used with a minimum size of 16mm OD. The sprinklers shall be fixed at a maximum spacing of 3m x 3m. The sprinkler discharge shall be in the range of 75 to 110 LPH. Sprinklers shall be fitted with anti drain valves and should be operated at a pressure range of 1.5 to 2.0 kgf/sq.cm.
5	Micro Tunnel	0.5"HDPE pipes(2m - 2.4m) should be bent in inverted 'U' shape and fixed into soil at every 1.2m and tied with a pair of plastic rope of 2mm dia. LDPE Polythene sheet of 1.8m to 2.28m width and 100 micron thick ness shall be covered on HDPE Pipes fixed in soil all along the bed to form a tunnel with a width of 1.2m to 1.5 m at base and a height of 0.4 to 0.5m at the center of the tunnel. The ends of the tunnels will be closed.
6	Retractable Shade Net	The shade net shall be opened and closed by means of ropes, pipes, brackets, pulleys and chains. The net shall be opened or closed uniformly throughout the length of the structure with the help of one or two persons. The net should be supported on wires or ropes. The retractable net should be installed within in the top 30 cm to 40cm height of the structure.
7	Vegetable Seedling Trays	The farmer shall be provided with 98/104 cavity seedling trays to raise quality seedlings to meet their local demand for seedlings. The tray should be re-usable for a minimum of 4 to 5 times with a minimum thickness of 0.6 to 0.8mm with a minimum average weight of 110 grams/ tray.

TABLE # 4.7

SPECIFICATIONS OF EARTH WORK FOR FOUNDATIONS ADOPTED IN SHADENET HOUSES

S.NO	PARTICULARS	SPECIFICATIONS		
1	CEMENT CONCRETE: B300 GRADE	B300 GRADE CEMENT CONCRETE SHALL BE PREPARED BY MIXING CEMENT, SAND AND METAL CHIPS-19MM SIZE IN 1:2:4 RATIO		
	EARTH WORK	FOR 4M HEIGHT STRUCTURES		
1 BALCONY FOUNDATION PITS		15" diameter x 1.8m depth		
2	OUTER COLUMN FOUNDATION PITS	15" diameter x 1.5m depth		
3	INNER COLUMN FOUNDATION PITS	12" diameter x 1.2m depth		
	EARTH WORK	FOR 3M HEIGHT STRUCTURES		
1	BALCONY FOUNDATION PITS	15" diameter x 1.2m depth		
2	OUTER COLUMN FOUNDATION PITS	15" diameter x 1.0m depth		
3	INNER COLUMN FOUNDATION PITS	12" diameter x 0.9 m depth		

All the pits shall be filled with B300 grade cement

Table # 5

TOP FIXED MULTISPAN GREEN HOUSE (8 M x 4 M) BAY ANTE-ROOM SPECIFICATIONS

SL NO	NAME OF PART	PART TECH SPECES	LENGTH IN MM	UNITS	QTY	WT IN KGS
1	Columns	Ø60	5500	Nos	3	49.5
2	Columns	Ø60	3000	Nos	2	18
3	Purline	Ø48	3500	Nos	2	17.36
4	Purline	Ø48	2800	Nos	1	6.944
5	Cross Bracing	Ø42	2500	Nos	2	10
6	Full Clamps	Ø60		Nos	4	
7	Full Clamps	Ø48		Nos	4	
8	L Cleat	40 X 40 X6		Nos	2	
9	Nuts & Bolts	M 10 X40		Nos	10	
10	Nuts & Bolts	M 8 X 100		Nos	8	
11	Galva Aluminium Profile			RM	24	
12	Zigzag Spring			RM	36	
13	Self Drilling Screws			Nos	150	
14	Poly Film	4.5 M	10 M	SQM	45	
15	Poly Corbonate Sliding Doors	_		Nos	2	
16	Labour Charges					

Table # 6

TOP FIXED MULTISPAN GREEN HOUSE (8 M x 4 M) BAY TRACTOR DOOR SPECIFICATIONS

SI No	Name of part	Length in mm	Units	Qty	Wt in kgs
1	Outer Frame	25X25X3950	Nos	4	32
2	Outer Frame	25X25X1500	Nos	6	18
3	Door Inner frames	25X25X3950	Nos	4	32
4	Door Inner Frames	25X25X1450	Nos	6	16.8
5	Column	Ø 60 X 5500	Nos	2	33
6	Purlin	Ø 42 X 2500	Nos	3	15
7	Hinges		Nos	6	
8	Tower bolts		Nos	2	
9	Handle		Nos	1	
10	Labour Charges				

## FIG. TRACTOR DOOR DESIGN

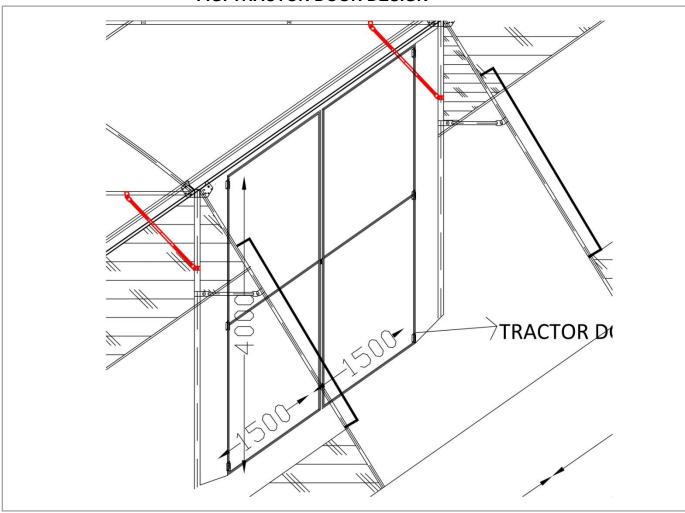


Table # 7
The Detail estimates and Technical Specification of Double Layer Semi - Automatic
Retractable Pulley System

	Model	Poly House / N	let House
	Structural Material	G.I.Pipes/ Smart	Connectors
SI.No.	DESCRIPTION	LENGTH	QTY
1	60 mm Double Layer Center Shaft	3650 mm	23 Pc
2	60 mm Foundation column pipe x 2 mm Thk	1,000 mm	12 Pc
3	60 mm Intermediate column pipe x 2 mm Thk	6,600 mm	12 Pc
4	60 mm Bottom Cord_Double Layer	3,810 mm	24 Pc
5	Chain Pulley assembly	INCLUDED	12 Pc
6	3 mm Wire Connector	INCLUDED	24 Pc
7	RHS 60x40x 2mm Thk	4070 mm	4 Pc
8	RHS 60x40x 2mm Thk	3980 mm	44 Pc
9	Black Pully Assembly (Flange Plate 120 PCD)	INCLUDED	48 Pc
10	2 inch Bearing Plate Assembly (2x Flange Plate 120 PCD)	INCLUDED	25 Pc
11	2.5 inch Omega Clamp	INCLUDED	52 Pc
12	2 inch Omega Clamp	INCLUDED	60 Pc
13	120 PCD Flange Plate for RHS	INCLUDED	12 Pc
14	120 PCD L Flange Plate	INCLUDED	12 Pc
15	2 inch Straight Connector	INCLUDED	12 Pc
16	3/g" x 120 Flange Serration Bolt	INCLUDED	29 Pc
17	3/g" x 80 Round Headed Square Neck Bolt	INCLUDED	48 Pc
18	60 mm Double Layer Intermediate column Pipe x 2 mm Thk	5000 mm	48 Pc
19	2 inch Omega Clamp	INCLUDED	96 Pc
20	3 mm x 6/7 Wire Rope	79 Mtr	24 Pc
21	Sandwich Clip	INCLUDED	540 Pc
22	Small Red Pulley	INCLUDED	270 Pc
23	Screen Clip Double	INCLUDED	2,160 Pc
24	Aluminium Saddle Clamp	INCLUDED	236 Pc
25	Aluminium Drive Clamp	INCLUDED	236 Pc
26	M6 Bolt x 70 mm	INCLUDED	236 Pc
27	M6 Nut	INCLUDED	236 Pc
28	19 mm OD Aluminium Guide Pipe	4,120 mm	216 Pc
29	Plastic 2.2 Superfil Wire	39.00 Mtr	240 Pc
30	3 mm Clamp	INCLUDED	234 Pc
31	Truss Clip 17 x 40	INCLUDED	180 Pc
32	SDS 1020	INCLUDED	112 Pc
33	3mm x 1/7 Wire Rope	98 Mtr	9 Pc

Table #8

**Core Specifications of MI Components for Polyhouse / Shadenet House.** 

SI.N	Description of Items	Unit	Size of Shade Net House (sqm)				
0	Description of items	Unit	500	1008	2080	4000	
Α	Drip System						
1	Main and Submain Line PVC 63 mm x 4 kg/cm2	Meter	36	48	70	110	
2	Main Line PVC 75 mm x 4 kg/cm2	Meter	0	0	0	60	
3	16mm LLDPE Lateral line CL-2	Meter	60	70	130	200	
4	Inline 16mm, 1.3 to 2.4LPH @ 20-40 cm CL2	Meter	260	500	2000	4000	
5	Ball Valve 63 mm (Moulded Seal, Plain)	Nos.	2	2	2	2	
6	Ball Valve 75 mm (Moulded Seal, Plain)	Nos.	0	0	0	1	
7	Submain Flush Valve 40mm	Nos.	2	2	2	2	
8	Submain Line for Flusing 40 mm X 6 kg	Meter	30	40	60	110	
В	Fogging Machine						
1	Main and Sub-main Line PVC 50 mm x 6 kg/cm2	Meter	36	42	70	110	
2	Main and Sub-main Line PVC 63 mm x 6 kg/cm2	Meter	0	0	210	60	
3	16mm LLDPE Lateral line	Meter	250	450	900	1900	
4	4 way Fogger Assembly with HP LPD	Nos.	82	125	280	585	
5	Ball Valve 50mm (Teflon Seal, Plain)	Nos.	2	1	1	0	
6	Ball Valve 63mm (Teflon Seal, Plain)	Nos.	0	0	0	1	
7	Submain Flush Valve 40mm	Nos.	2	2	2	2	
8	GI Wire 2mm thick	Meter	200	350	800	1400	
9	Submain Line for Flusing 40 mm X 6 kg	Meter	36	42	60	110	

С	Filtration Unit	Nos.	1	1	1	0
1	Disc filter 25 m3/hr	Nos.	0	0	0	1
2	Disc filter 40 m3/hr	Nos.	1	1	0	0
3	Sand filter 10 m3/hr	Nos.	1	1	0	0
4	Sand filter 25m3/hr	Nos.	0	0	1	0
5	Sand filter 40 m3/hr	Nos.	0	0	0	1
6	Manifold GI + GMV	Nos.	1	1	1	1
7	Ventury Assembly Complete	Nos.	1	1	1	1
8	Air Release Valve Assembly 1"	Nos.	1	1	1	1

	OV	PH-Mo	odel -I			
	Structural material		G.I. Pipes	5		
	Size	560 sq m				
		20 m x 28	m			
	Dimensions	28m x 20	m			
	Height		Minimun	6.5 m at cent	er	
Sr.		Rate		20 m x 28 m		
No.	Particulars	(Rs)	Unit	Quantity	560 Amount (Rs)	
Α	Cost of Material			Quantity	Amount (RS)	
1	GI Pipes 2mm Thickness	65	Kgs	3066	199290	
2	Plastic Material - UV stabilized 200 micron film	55	sqm	1304	71720	
3	GI Gutter	65	Kgs	655	42575	
4	Galva Aluminium Profiles	28	R/M	608	17024	
5	Clamps & Accessories	22	sqm	560	12320	
6	Shadenet (50%tapenet on roof)	25	sqm	428	10700	
7	Insect Net on sides	40	sqm	336	13440	
8	Apron Film	43	sqm	126	5418	
9	Gi Zig Zag wire	10	nos	912	9120	
10	Gi Nut bolt for fitting	52	Kgs	113	5876	
11	Self Drilling Screws	2	nos	1916	3832	
12	GI Wire	52	Kgs	63	3276	
13	GI Rope	6	RM	52	312	
14	Curtain Clamps	10	nos	67	670	
15	Pulley assembly/ Accessories	30	sqm	560	16800	
16	Curtain Rings	2	nos	264	528	
17	Entry Room 3mx3m	5000	nos	1	5000	
18	2 door of 2mx2m Aluminium and polycorbonate mix	3000	nos	1	3000	
19	Drip Irrigation System including Foggers	85	sqm	560	47600	
	Sub tot	al			468501	
	Insurance	0.50%			2342.505	
	VAT	5%			23425.05	
	Total Material Cost				494268.56	
В	Foundation-civil material	150	Nos	56	8400	
С	Labour Cost				0	
1	Fabrication	75	sqm	560	42000	
2	Foundation	130	nos	56	7280	
3	Installation	75	sqm	560	42000	
	Total Labour cost		<u> </u>		91,280.00	
	Total				593,948.56	
D	Service Tax on Labour cost	12.36%			11282.208	
E	Transport cost	2.00%			9370.02	
	Grand total				614,600.78	
	Unit rate			<u>[</u>	1097.50	
			Rour	nded to Rs-106 Guideli	0/- as per MIDH ines	

### OVPH-Model -I

	Structural material	-Model -1		G.I. Pi	nac
					-
	Size			1008 s	-
	Dimensions			28 m 2	x 36m
	Height		N	Z6111 X . 44 Ainimum 6.5	
Sl.	22078		1.		m x 36 m
No.	Particulars	Rate	1		1008
A	Cost of Material	(Rs)	Unit	Quantity	Amount (Rs)
1	GI Pipes 2mm Thickness	65	Kgs	5061	328965
2	Plastic Material - UV stabilized 200 micron film	55	sqm	2025.00	111375
3	GI Gutter	65	Kgs	1095	71175
4	Galva Aluminium Profiles	28	R/M	883	24724
5	Clamps & Accessories	22	sqm	1008	22176
6	Shadenet (50%tapenet on roof)	25	sqm	840	21000
7	Insect Net on sides	40	sqm	464	18560
8	Apron Film	43	sqm	174	7482
9	Gi Zig Zag wire	10	nos	1325	13250
10	Gi Nut bolt for fitting	52	Kgs	192	9984
11	Self Drilling Screws	2	nos	2781	5562
12	GI Wire	52	Kgs	120	6240
13	GI Rope	6	RM	60	360
14	Curtain Clamps	10	nos	93	930
15	Pulley assembly/ Accessories	30	sqm	1008	30240
16	Curtain Rings	2	nos	416	832
17	Entry Room 3mx3m	5000	nos	1	5000
18	2 door of 2mx2m Aluminium and polycorbonate mix	3500	nos	2	7000
19	Drip Irrigation System including Foggers	53	sqm	1008	53424
	Sub total				738279
	Insurance	0.50%			3691.395
	VAT	5%			36913.95
	Total Material Cost				778884.345
В	Foundation-civil material	150	Nos	83	12450
С	Labour Cost				
1	Fabrication	75	sqm	1008	75600
2	Foundation	130	nos	83	10790
3	Installation	75	sqm	1008	75600
	Total Labour cost				161,990.00
	Total				953,324.35
D	Service Tax on Labour cost	12.36%			20021.964
E	Transport cost	2.00%			14765.58
	Grand total				988,111.89
	Unit rate				980.27
					to Rs-935/- as per
		62		MID	H Guidelines

62

	OVPH-M	odel -I			
	Structural material		G.I. Pipes		
	Size		1961 sq r	n	
	Dimensions		37 m x 53	m	
	Height		Minimum	6.5 m at cer	nter
Sr. No.	Particulars	Rate (Rs)	Unit	Quan- tity	Amount (Rs)
Α	Cost of Material				
1	GI Pipes 2mm Thickness	65	Kgs	8671	563615
2	Plastic Material - UV stabilized 200 micron film	55	sqm	3315	182325
3	GI Gutter	65	Kgs	1924	125060
4	Galva Aluminium Profiles	28	R/M	1401	39228
5	Clamps & Accessories	22	sqm	1961	43142
6	Insect Net on sides	40	sqm	656	26240
7	Apron Film	43	sqm	246	10578
8	Gi Zig Zag wire	10	nos	2101	21010
9	Gi Nut bolt for fitting	52	Kgs	337	17524
10	Self Drilling Screws	2	nos	4412	8824
11	GI Wire	52	Kgs	234	12168
12	GI Rope	6	RM	78	468
13	Curtain Clamps	10	nos	140	1400
14	Retractable pully semi automatic system for double layerd shadenet	80	sqm	1961	156880
15	Curtain Rings	2	nos	720	1440
16	Entry Room 3mx3m	5000	nos	1	5000
17	2 door of 2mx2m Aluminium and polycorbonate mix	3500	nos	2	7000
18	a)Drip Irrigation System including Foggers	71	sqm	1961	139231
	Sub total		_		1361133
	Insurance	0.50%			6805.67
	VAT	5%			68056.65
	Total Material Cost				1435995.32
В	Foundation-civil material	150	Nos	125	18750
С	Labour Cost				0
1	Fabrication	70	sqm	1961	137270
2	Foundation	125	nos	125	15625
3	Installation	70	sqm	1961	137270
	Total Labour cost		<u> </u>		290165
	Total				1744910.32
	Service Tax on Labour cost	12.36%			35864.39
E	Transport cost	2.00%			27222.66
	Grand total				1807997.37
	Unit rate				921.98
		62	Rounded	to Rs-890/-	as per MIDH norms

	OVPH-N	Iodel -I	1		
	Structural material		G.I. Pipes		
	Size		2025 sq n		
	Dimensions		45 m x 45		
	Height	T	Minimum	6.5 m at cer	nter
Sl. No.	Particulars	Rate (Rs)	Unit	Quantity	Amount (Rs)
Α	Cost of Material	1	T	1	
1	GI Pipes 2mm Thickness	65	Kgs	9061	588965
2	Plastic Material - UV stabilized 200 micron film	55	sqm	3462.00	190410
3	GI Gutter	65	Kgs	1976	128440
4	Galva Aluminium Profiles	28	R/M	1450	40600
5	Clamps & Accessories	22	sqm	2025	44550
6	Insect Net on sides	40	sqm	656	26240
7	Apron Film	43	sqm	246	10578
8	Gi Zig Zag wire	10	nos	2175	21750
9	Gi Nut bolt for fitting	52	Kgs	353	18356
10	Self Drilling Screws	2	nos	4567	9134
11	GI Wire	52	Kgs	244	12688
12	GI Rope	6	RM	88	528
13	Curtain Clamps	10	nos	140	1400
14	Retractable pully semi automatic system for double layerd shadenet	80	sqm	2025	162000
15	Curtain Rings	2	nos	680	1360
16	Entry Room 3mx3m	5000	nos	1	5000
17	2 door of 2mx2m Aluminium and polycorbonate mix	3500	nos	2	7000
18	a)Drip Irrigation System including Foggers	71	Rs/SQm	2025	143775
	Sub total				1412774
	Insurance	0.50%			7063.87
	VAT	5%			70638.7
	Total Material Cost				1490476.57
В	Foundation-civil material	150	Nos	125	18750
С	Labour Cost				0
1	Fabrication	70	sqm	2025	141750
2	Foundation	125	nos	125	15625
3	Installation	70	sqm	2025	141750
	Total Labour cost				299,125.00
	Total				1,808,351.57
D	Service Tax on Labour cost	12.36%			36971.85
Е	Transport cost	2.00%			28255.48
	Grand total				1,873,578.90
	Unit rate				925.22
					to Rs-890/- as per IDH norms

	OVPH-N	Iodel -I			
	Structural material		G.I. Pipes		
	Size		2997 sq 1	n	
	Dimensions		37 m x 8		
	Height			6.5 m at cen	ter
Sr. No.	Particulars	Rate (Rs)	Unit	Quantity	Amount (Rs)
Α	Cost of Material	ų.		ļ	
1	GI Pipes 2mm Thickness	65	Kgs	12696.64	825281.39
2	Plastic Material - UV stabilized 200 micron film	56	sqm	4743.5	265636.00
3	GI Gutter	65	Kgs	2895	188175
4	Galva Aluminium Profiles	28	R/M	1970	55163.5
5	Clamps & Accessories	25	sqm	2997	74925
6	Shade Net (50% tapenet on roof)	28	sqm	2633.4	73735.2
7	Insect Net on sides	48	sqm	880	42240
8	Apron Film	48	sqm	330	15840
9	Gi Zig Zag wire	16	nos	2955	47283
10	Gi Nut bolt for fitting	95	Kgs	499	47411.58
11	Self Drilling Screws	2	nos	6206	9308.84
12	GI Wire	90	Kgs	367	33032.57
13	GI Rope	20	RM	78	1560
14	Curtain Clamps	10	nos	140	1400
15	Pulley assembly/ Accessories	25	sqm	2997	74925
16	Curtain Rings	2	nos	1140	2280
17	Aluminum framed polycorbonate Doors with	16000	nos	2	32000.00
	sliding arrangement				
	Sub total				1,790,197.09
	VAT	5%			89,509.85
	Total Material Cost				1,879,706.94
	Total Material cost	ļ		!	2,073,700.31
В	Foundation-civil material	150	Nos	166	24900
С	Labour Cost				0
1	Fabrication	70	sqm	2997	209790
2	Foundation	120	nos	166	19920
3	Installation	70	sqm	2997	209790
	Total Labour cost				464,400.00
					·
	Total				2,344,106.94
D	Service Tax on Labour cost	12.36%			57,400
E	Transport cost	2.00%	1		48,030
	Grand total				2,449,536.92
	Unit rate		Ì		817.33
F	Drip Irrigation System	Rs/SQm	1		71
	Total Unit Rate	Rs/SQm			895.33
				Roun	ded to Rs.875/-

	OVPH-N	Model -I				
	Structural material		G.I. Pipes			
	Size		3965 sq m			
	Dimensions		61 m x 65 m	1		
	Height		Minimum 6.	5 m at center		
Sr. No.	Particulars	Rate (Rs)	Unit	0 "	3965	
Α	Cost of Material	, ,		Quantity	Amount (Rs)	
1	GI Pipes 2mm Thickness	65	Kgs	16758	1089270	
2	Plastic Material - UV stabilized 200 micron film	55	sqm	6190	340450	
3	GI Gutter	65	Kgs	3744	243360	
4	Galva Aluminium Profiles	28	R/M	2521	70588	
5	Clamps & Accessories	22	sqm	3965	87230	
6	Insect Net on sides	40	sqm	944	37760	
7	Apron Film	43	sqm	354	15222	
8	Gi Zig Zag wire	10	nos	3781	37810	
9	Gi Nut bolt for fitting	52	Kgs	668	34736	
10	Self Drilling Screws	2	nos	7940	15880	
11	GI Wire	52	Kgs	502	26104	
12	GI Rope	6	RM	108	648	
13	Curtain Clamps	10	nos	173	1730	
14	Retractable pully semi automatic system for double layerd shadenet	60	sqm	3965	237900	
15	Curtain Rings	2	nos	1260	2520	
16	Entry Room 3mx3m	5000	nos	1	5000	
17	2 door of 2mx2m Aluminium and polycorbonate	3500	nos	2	7000	
18	a)Drip Irrigation System including Foggers	71	Rs/SQm	3965	281515	
	Sub total				2534723	
	Insurance	0.50%			12673.615	
	VAT	5%			126736.15	
	Total Material Cost				2674132.765	
В	Foundation-civil material	150	Nos	204	30600	
С	Labour Cost				0	
1	Fabrication	70	sqm	3965	277550	
2	Foundation	120	nos	204	24480	
3	Installation	70	sqm	3965	277550	
	Total Labour cost				610,180.00	
	Total				3314912.77	
D	Service Tax on Labour cost	12.36%			75418.25	
E	Transport cost	2.00%			50694.46	
	Grand total				3441025.47	
	Unit rate				867.85	
					to Rs-844/- as per	
	l	I	<u>I</u>	I IVII	DH norms	

	0	VPH-Mo	del -I			
	Structural material		G.I. Pipes			
	Size		4005 sq m			
	Dimensions		45 m x 89 m			
	Height		Minimum 6.5 1	m at center		
Sl. No.	Particulars	Rate (Rs)	Unit		005	
A	Cost of Material			Quantity	Amount (Rs)	
1	GI Pipes 2mm Thickness	65	Kgs	16663.34	1083117.1	
2	Plastic Material - UV stabilized 200 micron film	55	sqm	6145.5	338002.5	
3	GI Gutter	65	Kgs	3807	247455	
4	Galva Aluminium Profiles	28	R/M	2521	70588	
5	Clamps & Accessories	22	sqm	4005	88110	
6	Insect Net on sides	40	sqm	1008	40320	
7	Apron Film	43	sqm	378	16254	
8	Gi Zig Zag wire	10	nos	3781	37810	
9	Gi Nut bolt for fitting	52	Kgs	662	34424	
10	Self Drilling Screws	2	nos	7941	15882	
11	GI Wire	52	Kgs	503	26156	
12	GI Rope	6	RM	88	528	
	•					
13	Curtain Clamps  Retractable pully semi automatic system for	10	nos	140	1400	
14	double layerd shadenet	60	sqm	4005	240300	
15	Curtain Rings	2	nos	1428	2856.00	
16	Entry Room 3mx3m	5000	nos	1	5000.00	
17	2 door of 2mx2m Aluminium and polycorbonate mix	3500	nos	2	7000.00	
18	a)Drip Irrigation System including Foggers	71	Rs/SQm	4005	284355.00	
	Sub	total			2539557.60	
	Insurance	0.50%			12697.79	
	VAT	5%			126977.88	
	Total Material Cost				2679233.27	
В	Foundation-civil material	150	Nos	204	30600.00	
С	Labour Cost				0.00	
1	Fabrication	70	sqm	4005	280350.00	
2	Foundation	120	nos	204	24480.00	
3	Installation	70	sqm	4005	280350.00	
	Total Labour cost				585180.00	
-	Total	12 200/			3295013.27	
D D	Service Tax on Labour cost  Transport cost	12.36%			72328.25	
E)	Transport cost  Grand total	2.00%			50791.15	
	Grand total Unit rate				3418132.67 853.47	
					844/- as per MIDH orms	

		Model-II - NH	IM - OVPH - 500				
	Structural material		G.I. Pipes				
	Size		560 sq m	мо	MODEL - II		
	Dimensions	20 m x 28 m	NHM - 0	OVPH - 500			
	Dimensions		28m x 20 m	nter			
	Height		Min. 6.5 mtr. at ce	nter			
				20 m	1 x 28 m		
Sr. No	Particulars	Rate (Rs)	Unit		560		
				Quantity	Amount (Rs)		
Α	Cost of Material						
1	GI Pipes	65	Kgs.	2791	181415.00		
2	UV stablised Poly Film	55	Sq.mtrs	1101	60555.00		
3	GI Gutter	65	Kgs.	115	7475.00		
4	Aluminium Profiles	45	Mtrs.	406	18270.00		
5	Clamps & Accessories	22	Sq.mtrs.	560	12320.00		
6	Shade Net (Tapenet on roof)	25	Sq.mtrs.	428	10700.00		
7	Insect Net (on sides)	40	Sq.mtrs.	252	10080.00		
8	Laminated woven film (apron)	43	Sq.mtrs	126	5418.00		
9	Locking spring	10	Mtrs.	590	5900.00		
10	High Tensile Nuts & Bolts	8	Sq.mtrs.	560	4480.00		
11	Self drilling tapping Screws	1.5	Nos.	775	1162.50		
12	GI Wire	60	Kgs.	13	780.00		
13 14	Plastic Rope	10	Mtrs.	145 67	580.00 670.00		
15	Curtain Clamps Pulley assembly	30	Nos.	560	16800.00		
16	Curtain Rings	2	Nos.	84	168.00		
17	Entry Room 3mx3m	5000	Nos.	1	5000.00		
18	2 door of 2mx2m Aluminium and	3500	Nos.	2	7000.00		
	polycorbonate mix						
19 20	Accessories  Micro Irrigation System with foggers	20 85	Lumsum	560 560	11200.00 47600.00		
	Sub Total				407573.50		
	Insurance	0.50%			2037.87		
					2037.87		
	VAT (compulsory)	5%			20378.68		
	Total Material Cost				429990.04		
В	Foundation-civil material	150	Nos.	56	8400.00		
С	Labour Cost						
1	Fabrication	80	Sq.mtrs.	560	44800.00		
2	Foundation	130	Nos.	56	7280.00		
3	Installation	80	Sq.mtrs.	560	44800.00		
	Total Labour cost				96880.00		
	Total				535270.04		
D	Service Tax on Labour cost	12.36%			11974.37		
E	Transport cost	3.00%			12227.21		
	Grand total				559471.62		
	Unit rate		Rs/Sq.mtr		999.06		
				1			

		Mode	el-II - NHM OVF	PH - 1008				
	Structural material		G.I. Pipes					
	Size		1008 sq m			MODEL - II NHM - OVPH - 1008		
	Dimensions Height		28 m X 36 m, 36 m X 28 m  Minimum 6.5 m at center			INHIVI - C	JANH - 1008	
	reight		141111111111111111111111111111111111111	1	X 36 m	36 m	1 X 28 m	
SI.No.	Particulars	Rate (Rs)	Unit	1	008	1	008	
		nate (no)		Quantity	Amount (Rs)	Quantity	Amount (Rs)	
<b>A</b>	Cost of Material GI Pipes	65	Kgs.	4805	312325	4872	316680.00	
2	UV stablised Poly Film	55	Sq.mtrs	1809	99495	1862	102410.00	
3	GI Gutter	65	Kgs.	287	18655	325	21125.00	
4	Aluminium Profiles	45	Mtrs.	676	30420	699	31455.00	
5	Clamps & Accessories	22	Sq.mtrs.	1008	22176	1008	22176.00	
6	Shade Net (Tapenet on roof)	25	Sq.mtrs.	840	21000	832	20800.00	
7	Insect Net (on sides)	40	Sq.mtrs.	353	14120	353	14120.00	
8	Laminated woven film (apron)	43	Sq.mtrs	176	7568	176	7568.00	
9	Locking spring	10	Mtrs.	983	9830	1017	10170.00	
10	High Tensile Nuts & Bolts	8	Sq.mtrs.	1008	8064	1007	8064.00	
11	Self drilling tapping Screws	1.5	Nos.	1290	1935	1335	2002.50	
12	GI Wire	60	Kgs.	24	1440	24	1440.00	
13	Plastic Rope	4	Mtrs.	231	924	218	872.00	
14	Curtain Clamps	10	Nos.	93	930	93	930.00	
15	Pulley assembly	30	Nos.	1008	30240	1008	30240.00	
16	Curtain Rings	2	Nos.	108	216	84	168.00	
17	Entry Room 3mx3m	5000	Nos.	1	5000	1	5000.00	
18	2 door of 2mx2m Aluminium and polycorbonate mix	3500	Nos.	2	7000	2	7000.00	
19	Accessories	20	Lumsum	1008	20160	1008	20160.00	
20	Micro Irrigation System with foggers	71	Rs/Sq.mtr	1008	71568	1008	71568.00	
	Sub Total				683066		693948.50	
	Insurance	0.50%			3415.33		3469.74	
	VAT (compulsory)	5%			34153.3		34697.43	
	Total Material Cost				720634.63		732115.67	
В	Foundation-civil material	150	Nos.	83	12450	82	12300.00	
С	Labour Cost							
1	Fabrication	80	Sq.mtrs.	1008	80640	1008	80640.00	
2	Foundation	130	Nos.	83	10790	82	10660.00	
3	Installation	80	Sq.mtrs.	1008	80640	1008	80640.00	
	Total Labour cost				172070		171940.00	
	Total				905154.63		916355.67	
D	Service Tax on Labour cost	12.36%			21267.852		21251.78	
E	Transport cost	3.00%			20491.98		20818.46	
	Grand total				946914.462		958425.91	
	Unit rate		Rs/Sq.mtr		939.3992679		950.82	
						Li	mited to Rs.935/-	

#### Model-II - NHM-OVPH-2000

			Model-II - NH				
	Structural material		G.I. Pipes				
	Size		2016 sq m & 2080 s	qm		N	Iodel-II
	Dimensions		36 m x56 m				OVPH-2000
			52 m X 40 m	•			
	Height		Minimum 6.5 m at o		/ F.C	F2.	n X 40 m
Sr.	Particulars	Rate (Rs)	Unit		( 56 m 16		2080
	Control Material			Quantity	Amount (Rs)	Quant ity	Amount (Rs)
1 1	Cost of Material GI Pipes	65	Kgs.	9641	626665	9891	642915.00
2	UV stablised Poly Film	55	Sq.mtrs	3303	181665	3493	192115.00
3	GI Gutter	65	Kgs.	680	44200	795	51675.00
			_				
4	Aluminium Profiles	45	Mtrs.	1254	56430	1336	60120.00
5	Clamps & Accessories	22	Sq.mtrs.	2016	44352	2080	45760.00
6	Shade Net (Tapenet on roof)	25	Sq.mtrs.	1802	45050	1852	46300.00
7	Insect Net (on sides)	40	Sq.mtrs.	530	21200	529	21160.00
8	Laminated woven film (apron)	43	Sq.mtrs	265	11395	265	11395.00
9	Locking spring	10	Mtrs.	1824	18240	1945	19450.00
10	High Tensile Nuts & Bolts	8	Sq.mtrs.	2016	16128	2080	16640.00
11	Self drilling tapping Screws	1.5	Nos.	2394	3591	2551	3826.50
12	GI Wire	60	Kgs.	51	3060	52	3120.00
13	Plastic Rope	4	Mtrs.	428	1712	410	1640.00
14	Curtain Clamps	10	Nos.	140	1400	140	1400.00
15	Retractable pully semi automatic system for double layerd shadenet	80	Nos.	2016	161280	2080	166400.00
16	Curtain Rings	2	Nos.	336	672	240	480.00
17	Entry Room 3mx3m	5000	Nos.	1	5000	1	5000.00
18	2 door of 2mx2m Aluminium and polycorbonate mix	3500	Nos.	2	7000	2	7000.00
19	Tractor Entry	12000	Nos.	1	12000	1	12000.00
20	Accessories	20	Lumsum	2016	40320	2080	41600.00
21	Micro Irrigation System with foggers	71	sqm	2016	143136	2080	147680.00
	Sub Total				1444496		1497676.50
	Insurance	0.50%			7222.48		7488.38
	VAT (compulsory)	5%			72224.8		74883.83
	Total Material Cost				1523943.28		1580048.71
В	Foundation-civil material	150	Nos.	138	20700	138	20700.00
С	Labour Cost						
1	Fabrication	70	Sq.mtrs.	2016	141120	2080	145600.00
2	Foundation	125	Nos.	138	17250	138	17250.00
3	Installation	70	Sq.mtrs.	2016	141120	2080	145600.00
	Total Labour cost		oqtisi	2010	299490		308450.00
	Total				1844133.28		1909198.71
D	Service Tax on Labour cost	12.36%			37016.964		38124.42
E	Transport cost	2.00%			28889.92		29953.53
	Grand total	2.00/0			1910040.16		1977276.66
	Unit rate		Rs/Sq.mtr		947.44		950.61
			ns/squitt		377.77		950.01

			Model-II - Ni	HM-OVPH-300	10		
	Structural material		G.I. Pipes				
	Size		3120 sq m			] .	Model-II
	Dimensions		52 m X 60 m				1-OVPH-3000
			60 m X 52 m			4	
	Height		Minimum 6.5 m	1	m X 60 m	60 m X 52 m	
Sr.	Particulars	Rate (Rs)	Unit	32	3120	00 III X 32 III	3120
Α	Cost of Material			Quantity	Amount (Rs)	Quantity	Amount (Rs)
	GI Pipes	65	Kgs.	14530	944450.00	14521	943865.00
2	UV stablised Poly Film	55	Sq.mtrs	4942	271810.00	4994	274670.00
3	GI Gutter	65	Kgs.	1216	79040.00	1254	81510.00
4	Aluminium Profiles	45	Mtrs.	1908	85860.00	1932	86940.00
5	Clamps & Accessories	22	Sq.mtrs.	3120	68640.00	3120	68640.00
6	Shade Net (Tapenet on roof)	25	Sq.mtrs.	2881	72025.00	2873	71825.00
7	Insect Net (on sides)	40	Sq.mtrs.	655	26200.00	655	26200.00
8	Laminated woven film (apron)	43	Sq.mtrs	328	14104.00	328	14104.00
9	Locking spring	10	Mtrs.	2776	27760.00	2810	28100.00
10	High Tensile Nuts & Bolts	8	Sq.mtrs.	3120	24960.00	3120	24960.00
11	Self drilling tapping Screws	1.5	Nos.	3643	5464.50	3689	5533.50
12	GI Wire	60	Kgs.	80	4800.00	80	4800.00
13	Plastic Rope	4	Mtrs.	610	2440.00	596	2384.00
14	Curtain Clamps	10	Nos.	173	1730.00	173	1730.00
15	Retractable pully semi automatic system for double layerd shadenet	70	Nos.	3120	218400.00	3120	218400.00
16	Curtain Rings	2	Nos.	360	720.00	312	624.00
17	Entry Room 3mx3m	5000	Nos.	1	5000.00	1	5000.00
18	2 door of 2mx2m Aluminium and polycorbonate mix	3500	Nos.	2	7000.00	2	7000.00
19	Tractor Entry	12000	Nos.	1	12000.00	1	12000.00
20	Accessories	20	Lumsum	3120	62400.00	3120	62400.00
21	Micro Irrigation System with foggers	71	sqm	3120	221520.00	3120	221520.00
	Sub Total				2156323.50		2162205.50
	Insurance	0.50%			10781.62		10811.03
	VAT (compulsory)	5%			107816.18		108110.28
	Total Material Cost				2274921.29		2281126.80
В	Foundation-civil material	150	Nos.	188	28200.00	187.00	28050.00
С	Labour Cost						
1	Fabrication	70	Sq.mtrs.	3120	218400.00	3120.00	218400.00
2	Foundation	125	Nos.	188	23500.00	187.00	23375.00
3	Installation	70	Sq.mtrs.	3120	218400.00	3120.00	218400.00
	Total Labour cost				460300.00		460175.00
	Total				2763421.29		2769351.80
D	Service Tax on Labour cost	12.36%			56893.08		56877.63
E	Transport cost	2.00%			43126.47		43244.11
	Grand total				2863440.84		2869473.54
	Unit rate		Rs/Sq.mtr		917.77		919.70
						· · · · · · · · · · · · · · · · · · ·	Limited to Rs.875/-

	Model-II		NHM-OVPH-40	00			
Ŧ	Structural material Size		G.I. Pipes 4080 sq.m, 400	10 sa m			
ОУРН	Dimensions		60m x 68m, 10			NHM-C	VPH-4000
	Height		Minimum 6.5 r				
SI.	Particulars	Rate (Rs)	Unit	60 m X			n X 40 m 1000
No		nate (ns)	Ollit	Quantity	Amount (Rs)	Qty.	Amount (Rs)
	GUTTERS			6NO'S	X 68M	11NC	o'S X 40M
Α	Cost of Material					-	
1	GI Pipes	65	Kgs.	18761	1219465	18554	1206010.00
3	UV stablised Poly Film GI Gutter	55 65	Sq.mtrs	6375 1704	350625 110760	6532 1752	359260.00 113880.00
4	Aluminium Profiles	45	Kgs. Mtrs.	2484	111780	2535	114075.00
5	Clamps & Accessories	22	Sq.mtrs.	4080	89760	4000	88000.00
6	Shade Net (Tapenet on roof)	25	Sq.mtrs.	3822	95550	3667	91675.00
7	Insect Net (on sides)	40	Sq.mtrs.	756	30240	832	33280.00
8	Laminated woven film (apron)	43	Sq.mtrs	378	16254	416	17888.00
9	Locking spring	10	Mtrs.	3613	36130	3687	36870.00
10	High Tensile Nuts & Bolts	8	Sq.mtrs.	4080	32640	4000	32000.00
11	Self drilling tapping Screws	1.5	Nos.	4742	7113	4839	7258.50
12	GI Wire	60	Kgs.	106	6360	102	6120.00
13	Plastic Rope	4	Mtrs.	763	3052	718	2872.00
14	Curtain Clamps	10	Nos.	200	2000	220	2200.00
15	Retractable pully semi automatic system for double	60	Nos.	4080	244800	4000	240000.00
16	Curtain Rings	2	Nos.	360	720	240	480.00
17	Entry Room 3mx3m	5000	Nos.	1	5000	1	5000.00
18	2 door of 2mx2m Aluminium and polycorbonate mix	3500	Nos.	2	7000	2	7000.00
19	Tractor Entry	12000	Nos.	1	12000	1	12000.00
20	Accessories	20	Nos.	4080	81600	4000	80000.00
21	Micro Irrigation System with foggers	71	sqm	4080	289680	4080	289680.00
	Sub Total				2752529		2745548.50
	Insurance	0.50%			13762.645		13727.74
	VAT (compulsory)	5%			137626.45		137277.43
	Total Material Cost				2903918.10		2896553.67
В	Foundation-civil material	150	Nos.	230	34500.00	234	35100.00
С	Labour Cost						
1	Fabrication	70	Sq.mtrs.	4080	285600.00	4000	280000.00
2	Foundation	125	Nos.	230	28750.00	234	29250.00
3	Installation	70	Sq.mtrs.	4080	285600.00	4000	280000.00
	Total Labour cost				599950.00		589250.00
	Total				3538368.10		3520903.67
D	Service Tax on Labour cost	12.36%			74153.82		72831.30
E	Transport cost	2.00%			55050.58		54910.97
	Grand total				3667572.50		3648645.94
	Unit rate		Rs/Sq.mtr		898.91		912.16
							Limited to Rs.844/-
				·			

	Model		NHM-CCPH-1	000	
	Structural material		G.I. Pipes		
	Size		1008 sq m		
			28 m X 36 m		
	Dimensions 36 m X 28 m				
	Height		Minimum 4.5	m at center	•
Sr.	Particulars	Rate	Unit	28 m X 36	m
No.		(Rs)			1008
				Quantity	Amount
					(Rs)
A	Cost of Material	C.F.	W	44.07	272455 00
1	GI Pipes	65	Kgs.	4187	272155.00
2	UV stablised Poly Film	55	Sq.mtrs	1866	102630.00
3	GI Gutter	65	Kgs.	316	20540.00
4	Aluminium Profiles	45	Mtrs.	684	30780.00
5	Clamps & Accessories	22	Sq.mtrs.	1008	22176.00
6	Shade Net (Tapenet on roof)	25	Sq.mtrs.	945	23625.00
7	Insect Net (on sides)	40	Sq.mtrs.	107	4280.00
8	Locking spring	10	Sq.mtrs	589	5890.00
9	High Tensile Nuts & Bolts	8	Mtrs.	1008	8064.00
10	Self drilling tapping Screws	1.5	Sq.mtrs.	810	1215.00
11	GI Wire	60	Nos.	24	1440.00
12	Plastic Rope	4	Kgs.	231	924.00
13	Retraction Pulley semi automatic system	60	Sq.mtrs.	1008	60480.00
14	Curtain Rings	2	Nos.	216	432.00
15	UV stabilised FRP-Door assembly	3000	Nos.	2	6000.00
16	Exhaust Fan	22000	Nos.	8	176000.00
17	Cellulose Cooling pads-4"	2300	Sq. Mtrs	39	89700.00
18	Water Circulating System	2700	Mtrs.	26	70200.00
19	Fogging System	25	Sq.Mtrs	1008	25200.00
20	Control Head for pad circulation	50400	No.	1	50400.00
21	Control Head for Foggers	59850	No.	1	59850.00
22	Climate Controller	60000	No.	1	60000.00
23	Panel Box	45000	No.	1	45000.00
24	Civil Work Brick Wall below fan &	1500	Sq.Mtrs	38	57000.00
25	Drip irrigation system including foggers	53	Rs/Sq.mtr	1008	53424.00
	Sub Total				1247405.00
	Insurance	0.50%			6237.03
	VAT (compulsory)	5%			62370.25
	Total Material Cost				1316012.28
В	Foundation-civil material	150	Nos.	76	11400.00
С	Labour Cost				
1	Fabrication	75	Sq.mtrs.	1008	75600.00
2	Foundation	130	Nos.	76	9880.00
3	Installation	75	Sq.mtrs.	1008	75600.00
	Total Labour cost				161080.00
	Total				1488492.28
D	Service Tax on Labour cost	12.36%			19909.49
E	Transport cost	2%			24948.10
	Grand total				1533349.86
	Unit rate		Rs/Sq.mtr		1521.18
				R	ounded to Rs.1465/-
_		-			

# 800 SQM POLY TUNNEL POLY TUNEEL (ROOF WITH POLY FILM AND MONO NET ON SIDES)

Mode	POLY TUNEEL (ROOF WITH POL	T FILIVI AI	Poly Tunne		
	tural material		G.I. Pipes		
Size			800 sq m		
	nsions		40 m x 20 n		
Heigh	t I		Minimum 5	.5 m at Center	
SI.		Data		40 m x 800 s	
No	Particulars	Rate (Rs)	Unit	Quantity	Amount (Rs)
		(1.0)		Quantity	, anount (113)
Α	Cost of Material				
1	GI Pipes	65	Kgs.	2603	169206
2	UV stablised Poly Film	55	Sq.mtrs	722	39722
3	GI Gutter	65	Kgs.	500	32500
4	Shade Net (Tapenet on roof)	25	Sq.mtrs	722	18056
5	Monofilament Net (on sides)	40	Sq.mtrs	560	22400
6	Laminated woven film (apron)	43	Sq.mtrs	140	6020
7	Aluminium Profiles	45	Mtrs.	226	10161
8	Locking spring	10	Mtrs.	328	3282
9	Self drilling tapping Screws	1.5	Nos.	500	750
10	Clamps & Accessories	15	Sq.mtrs	800	12000
11	High Tensile Nuts & Bolts	10	Sq.mtrs	800	8000
12	Human Entry- Double door	11000	Nos.	1	11000
13	Drip irrigation system including foggers	53	Sq.mtrs	800	42400
	Sub Total				375497
	Insurance	0.50%			1877
	VAT	5%			18775
	Total Material Cost				396149
В	Foundation-civil material	65	Nos.	106	6890
С	Labour Cost				
1	Fabrication	40	Sq.mtrs	800	32000
2	Foundation	65	Nos.	106	6890
3	Installation	40	Sq.mtrs	800	32000
	Total Labour cost				70890
	Total				473929
D	Service Tax on Labour cost	12.36%			8762
E	Transport cost	2.00%			7510
	Grand total				490201
	Unit rate		Rs/Sq.mtr		613
			Li	mited to Rs.60	00/-

	BOM OF	DC	ME	SHAPED STANDAR	D SH	ADE N	ET HO	USE	
DON	IE SHAPED TOP NET HEIGHT ABOV LEVEL 5 m	E GRO	UND	GRID SIZE: 6m X 4m		тот	AL AREA :	483	sq.m
S.No	Description	Qty	Unit	Description	Qty	Unit			
1	GABLE LENGTH	_	m	NET GABLE LENGTH		m	D	OME SHA	PED
3	SHADE SPAN WIDTH No.OF GABLES		m No	NET SHADE SPAN WIDTH NET CULTIVABLE AREA		m sq.m	STANI	DARD	SHADE
4	No.OF SHADE SPANS	4	No	GROSS GABLE LENGTH	1 23	m	0.7		_
5 6	BALCONY ON FOUR SIDES Height of NET HOUSE			GROSS SHADE SPAN LENGTH GROSS SHADE AREA		m sq.m		NET HOU	SE
S.No	Description	<u>_</u>	m	Specification	Nos		Unit	Rate	Amount
-	STRUCTURAL MATERIALS			Specification	1405	Qty	Oilit	nate	Alliount
							1		4044.00
	Foundations for Balcony pipes			OD: 48mm/3mm/1.2m	18	75.6		65.00	4914.00
$\vdash$	Foundations for Outer Column			OD: 48mm/3mm/1m	14	49.0	•	65.00	3185.00
-	Foundations for Inner Column	ıS		OD: 48mm/3mm/0.75m OD: 60mm/2mm/4m	6 20	15.8 240.0	_	65.00 65.00	1023.75 15600.00
-	Main (All) Columns Truss Pipe (Along the gable)			OD: 48mm/2mm/6m	15	211.5	_	65.00	13747.50
	Arch Pipe			OD: 48mm/2mm/6.4m	15	225.00		65.00	14625.00
7	Center support pipe			OD: 33mm/2mm/1.0m	15	24.00		65.00	1560.00
8	Purlin Pipe (Across the gable)			OD: 48mm/2mm/4m	28	263.20		65.00	17108.00
	Corridor/Balcony Pipe			OD: 60mm/2mm/4.8m	18	259.2	kg	65.00	16848.00
10	Horizontal Member in Corrido	r		OD: 33mm/2mm/1.2m	18	34.6	kg	65.00	2246.40
11	Knee bracing at all columns			OD: 33mm/2mm/1.2m	40	76.8	kg	65.00	4992.00
12	HUMAN ENTRY			Double Door System	1		set	15000.00	15000.00
13	CLAMPS, COUPLERS AND ALL HARD	OWARE	ITEMS	2.5mm thick/300 GSM	LS	483	sq.m	20.00	9660.00
							3-TOTAL-A		120509.65
							DUTY + 12.	5%	15063.71
	01.455010.444755141.0					Т	OTAL-A		135573.36
-	CLADDING MATERIALS	-			370	270	1	25.00	12652.26
$\vdash$	SHADE NET - MONOFILAMENT INSECT PROOF NET ON SIDES			115 GSM/ WHITE/ GREEN/BLACK COL			sq.m	36.00	13653.36
<b>—</b>		ad lave	·~/	105 GSM/ WHITE COLOR/6.0m 35%/50%-90GSM-WHITE/GREEN/BLACK	630		sq.m	40.00	25200.00
3	Shade net (Tape Type as secor	iu iaye	er)	35%/50%-90GSIVI-WHITE/GREEN/BLACK	353	1	sq.m	25.00	8820.00
С	OTHER MATERIALS					<u> </u>	OTAL-B		47673.36
1	GALVALUME PROFILE			0.6mm thick/100-120GSM	266	266	m	45.00	11970.00
$\vdash$	Zig-zag Spring Insert			2.5mm OD GI/PP COATED	200	532		10.00	5320.00
	GI WIRE FOR SHADE NET			2.5mm OD/ 50-70 GSM		14.3		52.00	741.31
4	GI WIRE FOR TRELLISING			2.5mm OD/ 50-70 GSM		312.6		52.00	16255.20
5	GI Wire Rope For Trellising			4.0mm OD/ 1 X 19 or 7 x 19		220		18.00	3960.00
6	Manual screen retraction with	pulle	ys	AS PER SPECIFICATIONS		483.0	sq.m	10.00	4830.00
7	Drip Irrigation System			AS PER SPECIFICATIONS		483	sq.m	35.00	16905.00
						T	OTAL-C		59981.51
	TOTAL STRUCTURAL MATE	RIAL C	OST				AL- (A+B+C		243228.23
							((CST/VAT)	+ 5%	12161.41
_	FOLIND ATION MATER	IAIC				10	TAL-(ABC)		255389.64
<b>D</b>	Foundations for corridors	IAL3		B300 GRADE CC: 15" X 6'	18	27	cu meter	5500.00	20199.68
	Foundations for Corridors  Foundations for Outer column	ns		B300 GRADE CC: 15 X 5 B300 GRADE CC: 15" X 5'	14		cu meter	5500.00	13092.39
3	Foundations for Inner column			B300 GRADE CC: 12" X 1m	6		cu meter	5500.00	2098.31
-		-			†		OTAL-D	1130.00	35390.37
E	LABOR COST								
1	Foundation			6'/5'/3' depth x 15" & 12"		38	Nos	150.00	5700.00
4	FABRICATION CHARGES			As per design requirement		483	sq.m	50.00	24150.00
5	INSTALLATION CHARGES			As per design requirement		483	sq.m	50.00	24150.00
6	TRANSPORTATION CHARGES								10000.00
					-		B-TOTAL-E		64000.00
							E TAX + 1	5%	9600.00
	INICUIDANICE	_	to:!	d five and second results 11			OTAL-E	ct	73600.00
F	INSURANCE	S	ιandar	d fire and special perils policy			of Unit Co		910.95
							ND TOTAL		365290.96 756.30
			<u> </u>				FPER SQ.N t Limited to		756.30
		ļ		<u> </u>	<u> </u>	Jiii C03	teu ti	J 1131	, 10.00

<b>50</b> -				SHAPED STANDAR	J 311/				1
DOM	ME SHAPED TOP NET HEIGHT ABOV LEVEL 5 m	E GROU	טאט	GRID SIZE: 6m X 4m		тоти	AL AREA :	1015	sq.m
S.No	Description	_	Unit	Description		Unit			
1	GABLE LENGTH		m	NET GABLE LENGTH			D	OME SHA	PED
3	SHADE SPAN WIDTH No.OF GABLES	_	m No	NET SHADE SPAN WIDTH NET CULTIVABLE AREA	24 720	m sq.m	STANI	DARD	SHADE
4	No.OF SHADE SPANS		No	GROSS GABLE LENGTH	35		0		
5	BALCONY ON FOUR SIDES			GROSS SHADE SPAN LENGTH	29			NET HOU	SE
6 C N =	Height of NET HOUSE	5	m	GROSS SHADE AREA	1015		11	Data	A
S.No	Description			Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS				1 1		ı	1	
1	Foundations for Balcony pipes			OD: 48mm/3mm/1.2m	26	109.2	kg	65.00	7098.00
2	Foundations for Outer Column	าร		OD: 48mm/3mm/1m	22	77.0	kg	65.00	5005.00
3	Foundations for Inner Column	S		OD: 48mm/3mm/0.75m	20	52.5	kg	65.00	3412.50
4	Main (All) Columns			OD: 60mm/2mm/4m	42	504.0	kg	65.00	32760.00
5	Truss Pipe (Along the gable)			OD: 48mm/2mm/6m	35	493.5	kg	65.00	32077.50
6	Arch Pipe			OD: 48mm/2mm/6.4m	35	525.00	kg	65.00	34125.00
7	Center support pipe			OD: 33mm/2mm/1.0m	35	56.00	kg	65.00	3640.00
8	Purlin Pipe (Across the gable)			OD: 48mm/2mm/4m	66	620.40	kg	65.00	40326.00
9	Corridor/Balcony Pipe			OD: 60mm/2mm/4.8m	26	374.4	kg	65.00	24336.00
10	Horizontal Member in Corrido	r		OD: 33mm/2mm/1.2m	26	49.9	kg	65.00	3244.80
11	Knee bracing at all columns			OD: 33mm/2mm/1.2m	84	161.3	kg	65.00	10483.20
12	HUMAN ENTRY			Double Door System	1	1	set	15000.00	15000.00
13	CLAMPS, COUPLERS AND ALL HARD	WARE	ITEMS	2.5mm thick/300 GSM	LS	1015	sq.m	20.00	20300.00
						SUE	3-TOTAL-A		231808.00
						EXCISE	DUTY + 12.	.5%	28976.00
						Т	OTAL-A		260784.00
	CLADDING MATERIALS				1		ı		
	SHADE NET - MONOFILAMENT			115 GSM/ WHITE/ GREEN/BLACK COLO	913	913	sq.m	36.00	32863.32
2	INSECT PROOF NET ON SIDES			105 GSM/ WHITE COLOR/6.0m	882	882	sq.m	40.00	35280.00
3	Shade net (Tape Type as secor	nd laye	r)	35%/50%-90GSM-WHITE/GREEN/BLACK	847	847	sq.m	25.00	21168.00
						Т	OTAL-B		89311.32
С	OTHER MATERIALS								
1	GALVALUME PROFILE			0.6mm thick/100-120GSM	406	406	m	45.00	18270.00
	Zig-zag Spring Insert			2.5mm OD GI/PP COATED		812		10.00	8120.00
3	GI WIRE FOR SHADE NET			2.5mm OD/ 50-70 GSM		34.3	•	52.00	1784.64
4	GI WIRE FOR TRELLISING			2.5mm OD/ 50-70 GSM		312.6	kg	52.00	16255.20
5	GI Wire Rope For Trellising			4.0mm OD/ 1 X 19 or 7 x 19		492.8		18.00	8870.40
6	Manual screen retraction with	pulley	/S	AS PER SPECIFICATIONS		1015.0	•	10.00	10150.00
7	Drip Irrigation System			AS PER SPECIFICATIONS			sq.m	35.00	35525.00
							OTAL-C		98975.24
	TOTAL STRUCTURAL MATER	RIAL C	OST				AL- (A+B+C)		449070.56
							((CST/VAT)	+ 5%	22453.53
						TO	TAL-(ABC)		471524.09
D	FOUNDATION MATER	IALS		2000 2010 2010 2010	1		Ī		
1	Foundations for corridors			B300 GRADE CC: 15" X 6'	26		cu meter	5500.00	29177.32
2	Foundations for Outer column			B300 GRADE CC: 15" X 5'	22		cu meter	5500.00	20573.75
3	Foundations for Inner column	IS		B300 GRADE CC: 12" X 1m	20		cu meter	5500.00	6994.35
<u> </u>	14805 2225					T	OTAL-D		56745.42
E	LABOR COST			01/51/01 1 1 1 1 5 1 0 1 0 1				450.00	10000 00
1	Foundation			6'/5'/3' depth x 15" & 12"			Nos	150.00	10200.00
-	FABRICATION CHARGES			As per design requirement			sq.m	50.00	50750.00
5	INSTALLATION CHARGES			As per design requirement		1015	sq.m	50.00	50750.00
6	TRANSPORTATION CHARGES				1	CLIE			15000.00
							S-TOTAL-E	E0/	126700.00
							E TAX + 1! OTAL-E	0%	19005.00
<u> </u>	INCLIDANCE	C.	tanda	d fire and enecial needs and and				ct	145705.00
F	INSURANCE	51	landar	d fire and special perils policy			of Unit Co	1684.94	
							ND TOTAL	675659.44	
					I		PER SQ.N	665.67 666.00	
THE FOI	LLOWING COMPONENTS ARE ALLOWED	O AS SU	BSTITU <sup>*</sup>	TES BASED ON THEIR PHYSICAL INSTALLATI	ON IN THE				000.00
	INSECT PROOF NET ON TOP			105 GSM/ WHITE COLOR/6.2m			sq.m	40.00	36514.80

1 INSECT PROOF NET ON TOP 105 GSM/ WHITE COLOR/6.2m

Note: In any instance, The subsidy component cannot exceed Rs.355/- per sq.m

NOU	BOIN OF TE SHAPED TOP NET HEIGHT ABOV	E GROUND	CDID 017F: 0 V 4		TOT	AL AREA :	0445	
	LEVEL 5 m	Ī	GRID SIZE: 6m X 4m	04		AL AKEA :	2115	sq.m
5. <b>No</b> 1	Description GABLE LENGTH	Qty Unit 6 m	Description NET GABLE LENGTH	Qty 42 i	Unit m	ח	OME SHA	PFD
2	SHADE SPAN WIDTH	6 m 4 m	NET SHADE SPAN WIDTH	42 1				
3	No.OF GABLES		NET CULTIVABLE AREA			STANI	DARD	SHADE
4	No.OF SHADE SPANS		GROSS GABLE LENGTH	47 1			NET HOUS	
5	BALCONY ON FOUR SIDES		GROSS SHADE SPAN LENGTH	45 1			NET HOU	)E
6 C N =	Height of NET HOUSE	5 m	GROSS SHADE AREA	2115		11!4	Data	A
S.No	Description STRUCTURAL MATERIALS		Specification	Nos	Qty	Unit	Rate	Amount
_								10274.0
	Foundations for Balcony pipes		OD: 48mm/3mm/1.2m	38	159.6		65.00	10374.00
	Foundations for Outer Column		OD: 48mm/3mm/1m	34	119.0		65.00	7735.00
	Foundations for Inner Columns	S	OD: 48mm/3mm/0.75m	54	141.8	_	65.00	9213.7
	Main (All) Columns		OD: 60mm/2mm/4m	88	1056.0	-	65.00	68640.00
5	Truss Pipe (Along the gable)		OD: 48mm/2mm/6m	77	1085.7	kg	65.00	70570.50
6	Arch Pipe		OD: 48mm/2mm/6.4m	77	1155.00	kg	65.00	75075.00
7	Center support pipe		OD: 33mm/2mm/1.0m	77	123.20	kg	65.00	8008.00
8	Purlin Pipe (Across the gable)		OD: 48mm/2mm/4m	150	1410.00	kg	65.00	91650.00
9	Corridor/Balcony Pipe		OD: 60mm/2mm/4.8m	38	547.2	kg	65.00	35568.00
10	Horizontal Member in Corrido	r	OD: 33mm/2mm/1.2m	38	73.0	kg	65.00	4742.40
11	Knee bracing at all columns		OD: 33mm/2mm/1.2m	176	337.9	kg	65.00	21964.80
	HUMAN ENTRY		Double Door System	1		set	15000.00	15000.00
	TRACTOR ENTRY		AS PER SPECIFICATIONS	1		set	11000.00	11000.00
14	CLAMPS, COUPLERS AND ALL HARD	WARE ITEMS	2.5mm thick/300 GSM	LS	2115		20.00	42300.00
			2.5			B-TOTAL-A	20.00	471841.45
						DUTY + 12.	5%	58980.1
						OTAL-A	370	530821.63
В	CLADDING MATERIALS			1				
1	SHADE NET - MONOFILAMENT	•	115 GSM/ WHITE/ GREEN/BLACK COLO	2094.8	2095	sa.m	36.00	75411.0
2	INSECT PROOF NET ON SIDES		105 GSM/ WHITE COLOR/6.0m	1234.8		sq.m	40.00	49392.0
	Shade net (Tape Type as secon	nd laver)	35%/50%-90GSM-WHITE/GREEN/BLACK					
J	Shade het (rape Type as secon	ia layer j	3370/3070 3003IN WITH LYGINELIN BENCK	1940.4	1940 <b>T</b>	sq.m <b>OTAL-B</b>	25.00	48510.00 <b>173313.0</b> 0
С	OTHER MATERIALS			1				
1	GALVALUME PROFILE		0.6mm thick/100-120GSM	698	698	m	45.00	31410.00
2	Zig-zag Spring Insert		2.5mm OD GI/PP COATED		1396	m	10.00	13960.00
3	GI WIRE FOR SHADE NET		2.5mm OD/ 50-70 GSM		77.6	kg	52.00	4036.03
4	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM		312.6		52.00	16255.20
5	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		1064.8		18.00	19166.40
	Manual screen retraction with	pullevs	AS PER SPECIFICATIONS		2115.0		10.00	21150.00
	Drip Irrigation System	1/-	AS PER SPECIFICATIONS		2115		35.00	74025.00
	2.15Bation 3/stein		7.5 1 2.1 31 2011 10, 1110 115				33.00	
	TOTAL STRUCTURAL MATER				т	OTAL-C		
		TOO IAIS				OTAL-C		180002.63
i i	TOTAL STRUCTURAL WATER	RIAL COST			TOTA	AL- (A+B+C)		180002.63 884137.26
	TOTALSTRUCTURAL WATER	RIAL COST			TOTA	AL- (A+B+C) ((CST/VAT)		180002.63 884137.26 44206.86
D					TOTA	AL- (A+B+C)		180002.63 884137.26 44206.86
<b>D</b>	FOUNDATION MATER		B300 GRADE CC: 15" ¥ 6'	38	TOTA SALES TAX TOT	AL- (A+B+C) ((CST/VAT) FAL-(ABC)	+ 5%	180002.63 884137.26 44206.86 <b>928344.1</b> 3
1	FOUNDATION MATER Foundations for corridors	IALS	B300 GRADE CC: 15" X 6'	38	TOTA SALES TAX TO1	AL- (A+B+C) ((CST/VAT) FAL-(ABC) cu meter	5500.00	180002.63 884137.26 44206.86 <b>928344.1</b> 3 42643.77
1 2	FOUNDATION MATER Foundations for corridors Foundations for Outer column	IALS ns	B300 GRADE CC: 15" X 5'	34	TOTA SALES TAX TO1 7.8 5.8	AL- (A+B+C) ((CST/VAT) FAL-(ABC) cu meter cu meter	5500.00 5500.00	180002.63 884137.26 44206.86 <b>928344.13</b> 42643.77 31795.86
1	FOUNDATION MATER Foundations for corridors	IALS ns		<b>+</b>	TOTA SALES TAX TOT  7.8 5.8 3.4	AL- (A+B+C) ((CST/VAT) TAL-(ABC)  cu meter cu meter cu meter	5500.00	180002.63 884137.26 44206.86 <b>928344.13</b> 42643.77 31795.80 18884.75
1 2 3	FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column	IALS ns	B300 GRADE CC: 15" X 5'	34	TOTA SALES TAX TOT  7.8 5.8 3.4	AL- (A+B+C) ((CST/VAT) FAL-(ABC) cu meter cu meter	5500.00 5500.00	180002.63 884137.26 44206.86 <b>928344.13</b> 42643.77 31795.80 18884.75
1 2 3	FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column  LABOR COST	IALS ns	B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m	34	TOTA SALES TAXA TO1 7.8 5.8 3.4 To	AL- (A+B+C) ((CST/VAT)  TAL-(ABC)  cu meter cu meter cu meter OTAL-D	5500.00 5500.00 5500.00	180002.63 884137.26 44206.86 <b>928344.13</b> 42643.77 31795.86 18884.79 <b>93324.3</b>
1 2 3 <b>E</b> 1	FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column  LABOR COST Foundation	IALS ns	B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m 6'/5'/3' depth x 15" & 12"	34	7.8 5.8 5.8 3.4 To	C(CST/VAT)  (CST/VAT)  (CAL-(ABC)  Cu meter  cu meter  cu meter  cu meter  OTAL-D  Nos	5500.00 5500.00 5500.00 150.00	180002.6: 884137.2: 44206.8: <b>928344.1:</b> 42643.7' 31795.8: 18884.7: <b>93324.3:</b>
1 2 3 <b>E</b> 1 4	FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column  LABOR COST Foundation FABRICATION CHARGES	IALS ns	B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m  6'/5'/3' depth x 15" & 12"  As per design requirement	34	7.8 5.8 3.4 126 2115	C(CST/VAT)  FAL-(ABC)  Cu meter  cu meter  cu meter  cu meter  OTAL-D  Nos  sq.m	5500.00 5500.00 5500.00 150.00 40.00	180002.63 884137.20 44206.80 <b>928344.13</b> 42643.73 31795.80 18884.75 <b>93324.3</b> 18900.00 84600.00
1 2 3 <b>E</b> 1 4 5	FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column  LABOR COST Foundation FABRICATION CHARGES INSTALLATION CHARGES	IALS ns	B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m 6'/5'/3' depth x 15" & 12"	34	7.8 5.8 5.8 3.4 To	C(CST/VAT)  FAL-(ABC)  Cu meter  cu meter  cu meter  cu meter  OTAL-D  Nos  sq.m	5500.00 5500.00 5500.00 150.00	180002.63 884137.20 44206.80 <b>928344.13</b> 42643.73 31795.80 18884.79 <b>93324.3</b> 18900.00 84600.00
1 2 3 <b>E</b> 1 4 5	FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column  LABOR COST Foundation FABRICATION CHARGES	IALS ns	B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m  6'/5'/3' depth x 15" & 12"  As per design requirement	34	7.8 5.8 5.8 3.4 126 2115	C(CST/VAT)  FAL-(ABC)  cu meter cu meter cu meter OTAL-D  Nos sq.m sq.m	5500.00 5500.00 5500.00 150.00 40.00	180002.6: 884137.2( 44206.8) <b>928344.1</b> : 42643.7: 31795.8( 18884.7) <b>93324.3</b> : 18900.0( 84600.0( 20000.0)
1 2 3 <b>E</b> 1 4 5	FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column  LABOR COST Foundation FABRICATION CHARGES INSTALLATION CHARGES	IALS ns	B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m  6'/5'/3' depth x 15" & 12"  As per design requirement	34	TOTA SALES TAX TO1  7.8 5.8 3.4 T0  126 2115 2115	C(CST/VAT)  FAL-(ABC)  Cu meter  cu meter  cu meter  OTAL-D  Nos  sq.m  sq.m	5500.00 5500.00 5500.00 150.00 40.00 40.00	180002.63 884137.26 44206.86 <b>928344.13</b> 42643.77 31795.80 18884.75 <b>93324.32</b> 18900.00 84600.00 20000.00 <b>208100.00</b>
1 2 3 <b>E</b> 1 4 5	FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column  LABOR COST Foundation FABRICATION CHARGES INSTALLATION CHARGES	IALS ns	B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m  6'/5'/3' depth x 15" & 12"  As per design requirement	34	7.8 5.8 3.4 T0 126 2115 2115 SUB	Cu meter cu meter cu meter cu meter otal-D Nos sq.m sq.m B-TOTAL-E E TAX + 15	5500.00 5500.00 5500.00 150.00 40.00 40.00	180002.63 884137.20 44206.86 928344.13 42643.77 31795.86 18884.75 93324.33 18900.00 84600.00 20000.00 208100.00 31215.00
1 2 3 <b>E</b> 1 4 5 6	FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column  LABOR COST Foundation FABRICATION CHARGES INSTALLATION CHARGES TRANSPORTATION CHARGES	IALS  ns s	B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m  6'/5'/3' depth x 15" & 12"  As per design requirement  As per design requirement	34	7.8 5.8 3.4 126 2115 2115 SUB SERVIC	Cu meter cu meter cu meter cu meter oral-D  Nos sq.m sq.m  B-TOTAL-E  E TAX + 15 OTAL-E	5500.00 5500.00 5500.00 5500.00 40.00 40.00	180002.6: 884137.2: 44206.8: 928344.1: 42643.7' 31795.8: 18884.7: 93324.3: 18900.0: 84600.0: 20000.0: 208100.0: 239315.0:
1 2 3 <b>E</b> 1 4 5	FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column  LABOR COST Foundation FABRICATION CHARGES INSTALLATION CHARGES	IALS  ns s	B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m  6'/5'/3' depth x 15" & 12"  As per design requirement	34	TOTA SALES TAX TOT  7.8 5.8 3.4 TO  126 2115 2115 SUB SERVIC T 0.25%	Cu meter cu meter cu meter oral-D Nos sq.m sq.m  B-TOTAL-E E TAX + 15 OTAL-E of Unit Co:	5500.00 5500.00 5500.00 5500.00 40.00 40.00	180002.63 884137.20 44206.80 928344.13 42643.73 31795.80 18884.79 93324.32 18900.00 84600.00 20000.00 208100.00 239315.00 3152.40
1 2 3 <b>E</b> 1 4 5	FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column  LABOR COST Foundation FABRICATION CHARGES INSTALLATION CHARGES TRANSPORTATION CHARGES	IALS  ns s	B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m  6'/5'/3' depth x 15" & 12"  As per design requirement  As per design requirement	34	TOTA SALES TAX TOTA  7.8 5.8 3.4 TOTA  126 2115 2115 SUB SERVIC T 0.25% GRA	CU meter OTAL-D  NOS Sq.m Sq.m  B-TOTAL-E E TAX + 15 OTAL-E of Unit Cos ND TOTAL	5500.00 5500.00 5500.00 150.00 40.00 40.00	180002.63 884137.26 44206.86 928344.13 42643.77 31795.86 18884.75 93324.32 18900.00 84600.00 20000.00 208100.00 31215.00 3152.46 1264135.90
1 2 3 <b>E</b> 1 4 5 6	FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column  LABOR COST Foundation FABRICATION CHARGES INSTALLATION CHARGES TRANSPORTATION CHARGES	IALS  ns s	B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m  6'/5'/3' depth x 15" & 12"  As per design requirement  As per design requirement	34	TOTA SALES TAX TOTA 7.8 5.8 3.4 TOTA 126 2115 2115 SUB SERVIC TOTA 0.25% GRA COST	CU meter OTAL-D  NOS Sq.m Sq.m  S-TOTAL-E E TAX + 15 OTAL-E of Unit Co: ND TOTAL PER SQ.M	5500.00 5500.00 5500.00 150.00 40.00 40.00	180002.6: 884137.2( 44206.8( 928344.1: 42643.7: 31795.8( 18884.7: 93324.3: 18900.0( 84600.0( 20000.0( 208100.0( 31215.0( 3152.4(  1264135.9( 597.7(
1 2 3 <b>E</b> 1 4 5 6	FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column  LABOR COST Foundation FABRICATION CHARGES INSTALLATION CHARGES TRANSPORTATION CHARGES INSURANCE	IALS  IS  S  Standar	B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m  6'/5'/3' depth x 15" & 12"  As per design requirement As per design requirement  d fire and special perils policy	34 54	TOTA SALES TAX TOTA 7.8 5.8 3.4 TOTA 126 2115 2115 SUB SERVIC TOTA 0.25% GRA COST Unit Cost	cu meter cu meter cu meter ot meter sq.m sq.m sq.m sq.m s-TOTAL-E E TAX + 15 OTAL-E of Unit Co: ND TOTAL t Limited to	5500.00 5500.00 5500.00 150.00 40.00 40.00	180002.6: 884137.2( 44206.8( 928344.1: 42643.7: 31795.8( 18884.7: 93324.3: 18900.0( 84600.0( 20000.0( 208100.0( 31215.0( 3152.4(  1264135.9( 597.7(
1 2 3 3 E 1 4 5 6 6 F F	FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column  LABOR COST Foundation FABRICATION CHARGES INSTALLATION CHARGES TRANSPORTATION CHARGES INSURANCE	IALS  IS  S  Standar	B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m  6'/5'/3' depth x 15" & 12" As per design requirement As per design requirement  d fire and special perils policy	34 54	TOTA SALES TAX TOTA 7.8 5.8 3.4 TOTA 126 2115 2115 SUB SERVIC TOTA 0.25% GRA COST Unit Cost	Cu meter cu meter cu meter cu meter ot meter sq.m sq.m sq.m sq.m sq.m sq.m s-TOTAL-E E TAX + 15 OTAL-E of Unit Co: ND TOTAL PER SQ.M t Limited to	5500.00 5500.00 5500.00 150.00 40.00 40.00 5% st	180002.6: 884137.2( 44206.8( 928344.1: 42643.7: 31795.8( 18884.7( 93324.3: 18900.0( 84600.0( 20000.0( 208100.0( 31215.0( 3152.4( 1264135.9( 598.0(
1 2 3 <b>E</b> 1 4 5 6	FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column  LABOR COST Foundation FABRICATION CHARGES INSTALLATION CHARGES TRANSPORTATION CHARGES INSURANCE	Standar  O AS SUBSTITUT	B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m  6'/5'/3' depth x 15" & 12"  As per design requirement As per design requirement  d fire and special perils policy	34 54	TOTA SALES TAX TOTA 7.8 5.8 3.4 TOTA 126 2115 2115 SUB SERVIC TOTA 0.25% GRA COST Unit Cost	CU meter CU	5500.00 5500.00 5500.00 150.00 40.00 40.00	180002.6: 884137.2( 44206.8( 928344.1: 42643.7: 31795.8( 18884.7: 93324.3: 18900.0( 84600.0( 20000.0( 208100.0( 31215.0( 3152.4(  1264135.9( 597.7(

Note: In any instance, The subsidy component cannot exceed Rs.355/- per sq.m

DOM	E SHAPED TOP NET HEIGHT ABOVE GROUND	SHAFED STANDAR	<u> </u>			1	
DON	LEVEL 5 m	GRID SIZE: 6m X 4m		TOTA	L AREA :	3021	sq.m
S.No	Description Qty Unit	Description	Qty	Unit			
1	GABLE LENGTH 6 m	NET GABLE LENGTH	48		D	OME SHA	PED
2	SHADE SPAN WIDTH 4 m	NET SHADE SPAN WIDTH NET CULTIVABLE AREA	52		STANI	UVBU	SHADE
3	No.OF GABLES 8 No No.OF SHADE SPANS 13 No	GROSS GABLE LENGTH	2496 53		SIANI		
5	BALCONY ON FOUR SIDES 2.5 m	GROSS SHADE SPAN LENGTH	57			<b>NET HOU</b>	SE
6	Height of NET HOUSE 5 m	GROSS SHADE AREA	3021	sq.m			
S.No	Description	Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS					<u>'</u>	
							12550.00
1	Foundations for Balcony pipes	OD: 48mm/3mm/1.2m	46	193.2		65.00	12558.00
2	Foundations for Outer Columns	OD: 48mm/3mm/1m	42	147.0	ŭ	65.00	9555.00
3	Foundations for Inner Columns	OD: 48mm/3mm/0.75m	84	220.5	kg	65.00	14332.50
4	Main (All) Columns	OD: 60mm/2mm/4m	126	1512.0	kg	65.00	98280.00
5	Truss Pipe (Along the gable)	OD: 48mm/2mm/6m	112	1579.2	kg	65.00	102648.00
6	Arch Pipe	OD: 48mm/2mm/6.4m	112	1680.00	kg	65.00	109200.00
7	Center support pipe	OD: 33mm/2mm/1.0m	112	179.20	kg	65.00	11648.00
8	Purlin Pipe (Across the gable)	OD: 48mm/2mm/4m	221	2077.40	kg	65.00	135031.00
9	Corridor/Balcony Pipe	OD: 60mm/2mm/4.8m	46	662.4	kg	65.00	43056.00
10	Horizontal Member in Corridor	OD: 33mm/2mm/1.2m	46	88.3	kg	65.00	5740.80
11	Knee bracing at all columns	OD: 33mm/2mm/1.2m	252	483.8		65.00	31449.60
12	HUMAN ENTRY	Double Door System	1		set	15000.00	15000.00
13	TRACTOR ENTRY	AS PER SPECIFICATIONS	1		set	11000.00	11000.00
14	CLAMPS, COUPLERS AND ALL HARDWARE ITEMS	2.5mm thick/300 GSM	LS	3021		20.00	60420.00
	<u> </u>	2.5mm tineky 500 d5ivi			S-TOTAL-A	20.00	659918.90
					DUTY + 12.	F0/	82489.86
					OTAL-A	.570	742408.76
_	CLADDING MATERIALS			- 1	UTAL-A		742408.76
		r					
1	SHADE NET - MONOFILAMENT	115 GSM/ WHITE/ GREEN/BLACK COLC		3096		36.00	111449.52
2	INSECT PROOF NET ON SIDES	105 GSM/ WHITE COLOR/6.0m	1461.6	1462	sq.m	40.00	58464.00
3	Shade net (Tape Type as second layer)	35%/50%-90GSM-WHITE/GREEN/BLACK	2866.5	2867	sq.m	25.00	71662.50
				Т	OTAL-B		241576.02
С	OTHER MATERIALS						
1	GALVALUME PROFILE	0.6mm thick/100-120GSM	938	938	m	45.00	42210.00
2	Zig-zag Spring Insert	2.5mm OD GI/PP COATED		1876	m	10.00	18760.00
3	GI WIRE FOR SHADE NET	2.5mm OD/ 50-70 GSM		114.0	kg	52.00	5930.50
4	GI WIRE FOR TRELLISING	2.5mm OD/ 50-70 GSM		312.6	_	52.00	16255.20
5	GI Wire Rope For Trellising	4.0mm OD/ 1 X 19 or 7 x 19		1540		18.00	27720.00
6	Manual screen retraction with pulleys	AS PER SPECIFICATIONS		3021.0		10.00	30210.00
7	Drip Irrigation System	AS PER SPECIFICATIONS		3021.0		35.00	105735.00
	Drip in igation bystem	ASTERSI ECITICATIONS			OTAL-C	33.00	246820.70
	TOTAL STRUCTURAL MATERIAL COST					\	1230805.48
	TOTAL STRUCTURAL MATERIAL COST				AL- (A+B+C)		61540.27
					((CST/VAT) F <b>AL-(ABC)</b>	+ 3%	1292345.75
<u> </u>	FOUNDATION MATERIALS			10	AL-(ABC)		1292345.75
D	FOUNDATION MATERIALS	D200 CDADE 00 45" ;; 5'				=======	F1661 11
1	Foundations for corridors	B300 GRADE CC: 15" X 6'	46		cu meter	5500.00	51621.41
2	Foundations for Outer columns	B300 GRADE CC: 15" X 5'	42		cu meter	5500.00	39277.16
3	Foundations for Inner columns	B300 GRADE CC: 12" X 1m	84		cu meter	5500.00	29376.27
				Т	OTAL-D		120274.84
E	LABOR COST						
1	Foundation	6'/5'/3' depth x 15" & 12"		172	Nos	150.00	25800.00
4	FABRICATION CHARGES	As per design requirement		3021	sq.m	40.00	120840.00
5	INSTALLATION CHARGES	As per design requirement		3021	sq.m	40.00	120840.00
6	TRANSPORTATION CHARGES		Ц				25000.00
				SUE	3-TOTAL-E		292480.00
					E TAX + 15	5%	43872.00
					OTAL-E		336352.00
F	INSURANCE Standar	d fire and special perils policy			of Unit Co	st	4372.43
	Standar	point point			ND TOTAL		1753345.03
					PER SQ.M		580.39
<b> </b>					Limited to		580.00
THE FOI	LOWING COMPONENTS ARE ALLOWED AS SUBSTITUT	ES BASED ON THEIR PHYSICAL INSTALLATION	ON IN THE				500.00
1	INSECT PROOF NET ON TOP	105 GSM/ WHITE COLOR/6.2m			sq.m	40.00	123832.80
2	Semi-automatic Shade net retraction system	AS PER SPECIFICATIONS		3021		70.00	211470.00
	In any instance, The subsidy component cannot excee				•		

Note: In any instance, The subsidy component cannot exceed Rs.355/- per sq.m

		SHAPED STANDAK	U 311/				1
DOM	ME SHAPED TOP NET HEIGHT ABOVE GROUND LEVEL 5 m	GRID SIZE: 6m X 4m		TOTA	L AREA :	4081	sq.m
	Description Qty Unit	Description	_	Unit			555
2	GABLE LENGTH 6 m SHADE SPAN WIDTH 4 m	NET GABLE LENGTH NET SHADE SPAN WIDTH	48 72		ט	OME SHA	PED
3	No.OF GABLES 8 No	NET CULTIVABLE AREA	3456		STANI	DARD	SHADE
4	No.OF SHADE SPANS 18 No	GROSS GABLE LENGTH	53	m		NETHOL	
5	BALCONY ON FOUR SIDES 2.5 m	GROSS SHADE SPAN LENGTH	77			NET HOU	SE
6 C N =	Height of NET HOUSE 5 m	GROSS SHADE AREA	4081		11	D-4-	A
S.No	Description	Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS					1	
1	Foundations for Balcony pipes	OD: 48mm/3mm/1.2m	56	235.2	kg	65.00	15288.00
2	Foundations for Outer Columns	OD: 48mm/3mm/1m	52	182.0	kg	65.00	11830.00
3	Foundations for Inner Columns	OD: 48mm/3mm/0.75m	119	312.4	kg	65.00	20304.38
4	Main (All) Columns	OD: 60mm/2mm/4m	171	2052.0	kg	65.00	133380.00
5	Truss Pipe (Along the gable)	OD: 48mm/2mm/6m	152	2143.2	kg	65.00	139308.00
6	Arch Pipe	OD: 48mm/2mm/6.4m	152	2280.00	kg	65.00	148200.00
7	Center support pipe	OD: 33mm/2mm/1.0m	152	243.20	kg	65.00	15808.00
8	Purlin Pipe (Across the gable)	OD: 48mm/2mm/4m	306	2876.40	kg	65.00	186966.00
9	Corridor/Balcony Pipe	OD: 60mm/2mm/4.8m	56	806.4	kg	65.00	52416.00
10	Horizontal Member in Corridor	OD: 33mm/2mm/1.2m	56	107.5	kg	65.00	6988.80
11	Knee bracing at all columns	OD: 33mm/2mm/1.2m	342	656.6	kg	65.00	42681.60
12	HUMAN ENTRY	Double Door System	1	1	set	15000.00	15000.00
13	TRACTOR ENTRY	AS PER SPECIFICATIONS	1	1	set	11000.00	11000.00
14	CLAMPS, COUPLERS AND ALL HARDWARE ITEMS	2.5mm thick/300 GSM	LS	4081	sq.m	20.00	81620.00
		·			-TOTAL-A	•	880790.78
				EXCISE I	DUTY + 12.	.5%	110098.85
				T	OTAL-A		990889.62
В	CLADDING MATERIALS					•	
1	SHADE NET - MONOFILAMENT	115 GSM/ WHITE/ GREEN/BLACK COLO	4286.5	4287	sq.m	36.00	154314.72
2	INSECT PROOF NET ON SIDES	105 GSM/ WHITE COLOR/6.0m	1713.6	1714	sq.m	40.00	68544.00
3	Shade net (Tape Type as second layer)	35%/50%-90GSM-WHITE/GREEN/BLACK	3969	3969		25.00	99225.00
	,	<u> </u>	3303		OTAL-B	25.00	322083.72
С	OTHER MATERIALS					l	
1	GALVALUME PROFILE	0.6mm thick/100-120GSM	1228	1228	m	45.00	55260.00
2	Zig-zag Spring Insert	2.5mm OD GI/PP COATED		2456		10.00	24560.00
	GI WIRE FOR SHADE NET	2.5mm OD/ 50-70 GSM		156.3		52.00	8126.98
	GI WIRE FOR TRELLISING	2.5mm OD/ 50-70 GSM		312.6		52.00	16255.20
5	GI Wire Rope For Trellising	4.0mm OD/ 1 X 19 or 7 x 19		2090		18.00	37620.00
	Manual screen retraction with pulleys	AS PER SPECIFICATIONS		4081.0		10.00	40810.00
	Drip Irrigation System	AS PER SPECIFICATIONS			sq.m	35.00	142835.00
	,				OTAL-C		325467.18
	TOTAL STRUCTURAL MATERIAL COST				L- (A+B+C	)	1638440.52
				SALES TAX	•	,	81922.03
					TAL-(ABC)		1720362.54
D	FOUNDATION MATERIALS				<u>-</u>		
1	Foundations for corridors	B300 GRADE CC: 15" X 6'	56	11.4	cu meter	5500.00	62843.46
2	Foundations for Outer columns	B300 GRADE CC: 15" X 5'	52		cu meter	5500.00	48628.87
3	Foundations for Inner columns	B300 GRADE CC: 12" X 1m	119	7.6	cu meter	5500.00	41616.38
					OTAL-D		153088.71
Е	LABOR COST						
1	Foundation	6'/5'/3' depth x 15" & 12"		227	Nos	150.00	34050.00
4	FABRICATION CHARGES	As per design requirement		4081	sq.m	40.00	163240.00
5	INSTALLATION CHARGES	As per design requirement		4081	•	40.00	163240.00
	TRANSPORTATION CHARGES		-			-	30000.00
				SUB	-TOTAL-E		390530.00
				SERVIC	E TAX + 1	5%	58579.50
				т	OTAL-E		449109.50
F	INSURANCE Standar	d fire and special perils policy		0.25%	of Unit Co	st	5806.40
				GRA	ND TOTAL		2328367.15
					PER SQ.N		570.54
				Unit Cost	Limited to	o Rs.	570.00
	LOWING COMPONENTS ARE ALLOWED AS SUBSTITUT		ON IN THE			1	
-	INSECT PROOF NET ON TOP	105 GSM/ WHITE COLOR/4.2m		4287		40.00	171460.80
2	Semi-automatic Shade net retraction system	AS PER SPECIFICATIONS		4081	sq.m	60.00	244860.00

1 2 3 4 5 6 <b>S.No</b>	LEVEL 5 m  Description  GABLE LENGTH SHADE SPAN WIDTH No.OF GABLES No.OF SHADE SPANS BALCONY ON FOUR SIDES	4 m 3 No	GRID SIZE: 6m X 4m  Description  NET GABLE LENGTH  NET SHADE SPAN WIDTH	18	<b>Unit</b> m	AL AREA :	OME SHA	sq.m .DFD
1 2 3 4 5 6 <b>S.No</b>	GABLE LENGTH SHADE SPAN WIDTH No.OF GABLES No.OF SHADE SPANS	6 m 4 m 3 No	NET GABLE LENGTH NET SHADE SPAN WIDTH	18	m	Ь	OMF SHA	DFD
2 3 4 5 6 <b>S.No</b>	SHADE SPAN WIDTH No.OF GABLES No.OF SHADE SPANS	4 m 3 No	NET SHADE SPAN WIDTH			· ·		
4 5 6 <b>S.No</b>	No.OF GABLES No.OF SHADE SPANS	3 No		10	m			
5 6 <b>S.No</b>			NET CULTIVABLE AREA	288	sq.m	STANI	DARD SHA	ADE NET
6 <b>S.No</b>	DALCONT ON LOOK SIDES		GROSS GABLE LENGTH GROSS SHADE SPAN LENGTH	23 21		HOUSI	E WITH AI	UMINET
	Height of NET HOUSE		GROSS SHADE AREA		sq.m		_ ••••••	
	Description	•	Specification	Nos	Qty	Unit	Rate	Amount
	STRUCTURAL MATERIALS							
1	Foundations for Balcony pipes	<u> </u>	OD: 48mm/3mm/1.2m	18	75.6	kg	65.00	4914.00
	Foundations for Outer Column		OD: 48mm/3mm/1m	14	49.0		65.00	3185.00
3	Foundations for Inner Column	ıs	OD: 48mm/3mm/0.75m	6	15.8	kg	65.00	1023.75
4	Main (All) Columns		OD: 60mm/2mm/4m	20	240.0	kg	65.00	15600.00
5	Truss Pipe (Along the gable)		OD: 48mm/2mm/6m	15	211.5	kg	65.00	13747.50
6	Arch Pipe		OD: 48mm/2mm/6.4m	15	225.00	kg	65.00	14625.00
7	Center support pipe		OD: 33mm/2mm/1.0m	15	24.00	kg	65.00	1560.00
	Purlin Pipe (Across the gable)		OD: 48mm/2mm/4m	28	263.20		65.00	17108.00
9	Corridor/Balcony Pipe		OD: 60mm/2mm/4.8m	18	259.2	kg	65.00	16848.00
10	Horizontal Member in Corrido	r	OD: 33mm/2mm/1.2m	18	34.6		65.00	2246.40
11	Knee bracing at all columns		OD: 33mm/2mm/1.2m	40	76.8		65.00	4992.00
12	HUMAN ENTRY		Double Door System	1	1	set	20000.00	20000.00
13	CLAMPS, COUPLERS AND ALL HARD	DWARE	2.5mm thick/300 GSM	LS	483	sq.m	20.00	9660.00
					SUB	3-TOTAL-A		125509.65
					EXCISE I	DUTY + 12.	5%	15688.71
					T	OTAL-A		141198.36
В	CLADDING MATERIALS							
1	OPTINET OR EQUIVALENT ON	TOP	OPTINET: 40MESH 120 GSM/ WHITE C	379	379	sq.m	70.00	26548.20
2	OPTINET OR EQUIVALENT ON	SIDES	OPTINET: 40MESH 120 GSM/ WHITE C	630	630	sq.m	70.00	44100.00
3	ALUMINET OR EQUIVALENT AS SECON	ID LAYER	ALUMINET- 50% SHADE : 80GSM	353	353	sq.m	80.00	28224.00
						OTAL-B		98872.20
С	OTHER MATERIALS							
1	GALVALUME PROFILE		0.6mm thick/100-120GSM	266	266	m	45.00	11970.00
2	Zig-zag Spring Insert		2.5mm OD GI/PP COATED		532	m	10.00	5320.00
3	GI WIRE FOR SHADE NET		2.5mm OD/ 50-70 GSM		14.3	kg	52.00	741.31
4	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM		312.6	kg	52.00	16255.20
5	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		220	m	18.00	3960.00
6	Manual screen retraction with	pulleys	AS PER SPECIFICATIONS		483.0		10.00	4830.00
7	Drip Irrigation System including Fog	ggers	AS PER SPECIFICATIONS		483	sq.m	71.00	34293.00
						OTAL-C		77369.51
	TOTAL STRUCTURAL MATE	RIAL COST				AL- (A+B+C)		317440.07
						((CST/VAT)	+ 5%	15872.00
					TO	TAL-(ABC)		333312.07
D	FOUNDATION MATER	IIALS	D200 0D4D5 02 45":: 5'					20122
	Foundations for corridors		B300 GRADE CC: 15" X 6'	18		cu meter	5500.00	20199.68
	Foundations for Outer column		B300 GRADE CC: 15" X 5'	14		cu meter	5500.00	13092.39
-	Foundations for Inner column		B300 GRADE CC: 12" X 1m	6		cu meter	5500.00	2098.31
4	Flooring inside Double Door E	ntry	Brick work + CC - 3m x 4m x 0.1m	12		cu meter	12000.00	14400.00
F	LABOR COCT			 	10	OTAL-D		49790.37
E 1	Foundation		61/51/21 don+h v 15" 0 12"		20	Nos	150.00	E700.00
	FABRICATION CHARGES		6'/5'/3' depth x 15" & 12" As per design requirement			sq.m	150.00 50.00	5700.00 24150.00
1			· · · · · · · · · · · · · · · · · · ·			sq.m sq.m		
	INSTALLATION CHARGES		As per design requirement	<u> </u>	483	jay.iii	50.00	24150.00 10000.00
5	TRANSDORTATION CHARGES				CIID	B-TOTAL-E		64000.00
5	TRANSPORTATION CHARGES				306	LOIALL		
5	TRANSPORTATION CHARGES				SEB//IC	'F TΔY ± 15	<b>%</b>	
5	TRANSPORTATION CHARGES					CE TAX + 15	5%	9600.00
5		Standar	d fire and special perils policy		Т	OTAL-E		9600.00 73600.00
5	TRANSPORTATION CHARGES  INSURANCE	Standar	rd fire and special perils policy		<b>T</b> 0.25%	OTAL-E of Unit Cos		9600.00 73600.00 1141.76
5		Standar	rd fire and special perils policy		0.25% GRA	OTAL-E	st	9600.00 73600.00

DON	ME SHAPED TOP NET HEIGHT ABOV		GRID SIZE: 6m X 4m			AL AREA :	1015	ea m
	LEVEL 5 m					TE ANEA .	1013	3 <b>4</b> .111
<b>S.No</b>	Description  GABLE LENGTH	Qty Unit	Description  NET GABLE LENGTH	Qty 30	Unit		OME SHA	DED
2	SHADE SPAN WIDTH		NET SHADE SPAN WIDTH	24		ט ן	OIVIE 3HA	PED
3	No.OF GABLES	5 No	NET CULTIVABLE AREA	720	sq.m	STAN	DARD SHA	ADE NET
4	No.OF SHADE SPANS		GROSS GABLE LENGTH	35		HOLIS	E WITH AI	LIMINET
5 6	BALCONY ON FOUR SIDES Height of NET HOUSE		GROSS SHADE SPAN LENGTH GROSS SHADE AREA	29 1015		11003	L VVIIII AI	LOIVIIIVE
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount
-	STRUCTURAL MATERIALS		Specification.	1103	٩٠١	- Oilit	Hate	Amount
	STRUCTURAL MATERIALS		T	I		1	I I	
_	Foundations for Balcony pipes	5	OD: 48mm/3mm/1.2m	26	109.2	_	65.00	7098.00
	Foundations for Outer Column		OD: 48mm/3mm/1m	22	77.0		65.00	5005.00
	Foundations for Inner Column	ıs	OD: 48mm/3mm/0.75m	20	52.5		65.00	3412.50
_	Main (All) Columns		OD: 60mm/2mm/4m	42	504.0		65.00	32760.00
_	Truss Pipe (Along the gable)		OD: 48mm/2mm/6m	35	493.5		65.00	32077.50
	Arch Pipe		OD: 48mm/2mm/6.4m	35	525.00		65.00	34125.00
	Center support pipe		OD: 33mm/2mm/1.0m	35	56.00	Ŭ	65.00	3640.00
8	Purlin Pipe (Across the gable)		OD: 48mm/2mm/4m	66	620.40	_	65.00	40326.00
9	Corridor/Balcony Pipe		OD: 60mm/2mm/4.8m	26	374.4	kg	65.00	24336.00
_	Horizontal Member in Corrido	or	OD: 33mm/2mm/1.2m	26	49.9		65.00	3244.80
_	Knee bracing at all columns		OD: 33mm/2mm/1.2m	84	161.3		65.00	10483.20
	HUMAN ENTRY		Double Door System	1			20000.00	20000.00
13	CLAMPS, COUPLERS AND ALL HARD	DWARE	2.5mm thick/300 GSM	LS		sq.m	20.00	20300.00
<u> </u>						3-TOTAL-A		236808.00
						DUTY + 12.	5%	29601.00
					Т	OTAL-A		266409.00
	CLADDING MATERIALS			1		T	1	
-	OPTINET OR EQUIVALENT ON		OPTINET: 40MESH 120 GSM/ WHITE C	913		sq.m	70.00	63900.90
2	OPTINET OR EQUIVALENT ON	SIDES	OPTINET: 40MESH 120 GSM/ WHITE C	882	882	sq.m	70.00	61740.00
3	ALUMINET OR EQUIVALENT AS SECON	ID LAYER	ALUMINET- 50% SHADE : 80GSM	847	847	sq.m	80.00	67737.60
					Т	OTAL-B		193378.50
С	OTHER MATERIALS							
1	GALVALUME PROFILE		0.6mm thick/100-120GSM	406	406	m	45.00	18270.00
2	Zig-zag Spring Insert		2.5mm OD GI/PP COATED		812		10.00	8120.00
3	GI WIRE FOR SHADE NET		2.5mm OD/ 50-70 GSM		34.3	kg	52.00	1784.64
4	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM		312.6	kg	52.00	16255.20
	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		492.8	m	18.00	8870.40
	Manual screen retraction with	· · · · · ·	AS PER SPECIFICATIONS		1015.0		10.00	10150.00
7	Drip Irrigation System including Foย	ggers	AS PER SPECIFICATIONS			sq.m	71.00	72065.00
						OTAL-C		135515.24
<u> </u>	TOTAL STRUCTURAL MATE	RIAL COST				AL- (A+B+C)		595302.74
						((CST/VAT)	+ 5%	29765.14
					TO	TAL-(ABC)		625067.88
D	FOUNDATION MATER	RIALS				1	<del>                                     </del>	
-	Foundations for corridors		B300 GRADE CC: 15" X 6'	26		cu meter	5500.00	29177.32
-	Foundations for Outer column	_	B300 GRADE CC: 15" X 5'	22		cu meter	5500.00	20573.75
	Foundations for Inner column		B300 GRADE CC: 12" X 1m	20		cu meter	5500.00	6994.35
4	Flooring inside Double Door E	ntry	Brick work + CC - 3m x 4m x 0.1m	12		cu meter	12000.00	14400.00
<u> </u>					Т	OTAL-D		71145.42
E	LABOR COST				-	<u></u>		
	Foundation		6'/5'/3' depth x 15" & 12"			Nos	150.00	10200.00
-	FABRICATION CHARGES		As per design requirement			sq.m	50.00	50750.00
	INSTALLATION CHARGES		As per design requirement		1015	sq.m	50.00	50750.00
6	TRANSPORTATION CHARGES							15000.00
						3-TOTAL-E	-0/	126700.00
						ETAX + 15	0%	19005.00
<u> </u>	INCLIDANCE	Ct- 1	al fine and an establishment			OTAL-E	-+	145705.00
F	INSURANCE	Standar	d fire and special perils policy			of Unit Co		2104.80
						ND TOTAL		844023.09
						F PER SQ.M		831.55
					Unit Cos	t Limited to	) KS.	710.00

DON	ME SHAPED TOP NET HEIGHT ABOV LEVEL 5 m	/E GROUND	GRID SIZE: 6m X 4m		тот	AL AREA :	2115	sq.m
S.No	Description	Qty Unit	Description		Unit			
1	GABLE LENGTH SHADE SPAN WIDTH		NET GABLE LENGTH NET SHADE SPAN WIDTH	42 40		D	OME SHA	PED
3	No.OF GABLES		NET SHADE SPAN WIDTH	1680		STANI	DARD SHA	ADE NET
4	No.OF SHADE SPANS	10 No	GROSS GABLE LENGTH	47	m	1	_	
5	BALCONY ON FOUR SIDES		GROSS SHADE SPAN LENGTH	45		HOUSI	E WITH AI	LUMIME
6 C N a	Height of NET HOUSE	5 m	GROSS SHADE AREA	2115		11	Data	A
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS			· ·		1		
1	Foundations for Balcony pipes	5	OD: 48mm/3mm/1.2m	38	159.6	kg	65.00	10374.00
2	Foundations for Outer Column	ns	OD: 48mm/3mm/1m	34	119.0	kg	65.00	7735.00
3	Foundations for Inner Column	ıs	OD: 48mm/3mm/0.75m	54	141.8	kg	65.00	9213.75
4	Main (All) Columns		OD: 60mm/2mm/4m	88	1056.0	kg	65.00	68640.00
5	Truss Pipe (Along the gable)		OD: 48mm/2mm/6m	77	1085.7	kg	65.00	70570.50
6	Arch Pipe		OD: 48mm/2mm/6.4m	77	1155.00	kg	65.00	75075.00
7	Center support pipe		OD: 33mm/2mm/1.0m	77	123.20	kg	65.00	8008.00
8	Purlin Pipe (Across the gable)		OD: 48mm/2mm/4m	150	1410.00	kg	65.00	91650.00
9	Corridor/Balcony Pipe		OD: 60mm/2mm/4.8m	38	547.2		65.00	35568.00
	Horizontal Member in Corrido	or	OD: 33mm/2mm/1.2m	38	73.0	_	65.00	4742.40
	Knee bracing at all columns		OD: 33mm/2mm/1.2m	176	337.9	kg	65.00	21964.80
	HUMAN ENTRY		Double Door System	1		set	20000.00	20000.00
	TRACTOR ENTRY		AS PER SPECIFICATIONS	1		set	14000.00	14000.00
14	CLAMPS, COUPLERS AND ALL HARD	DWARE	2.5mm thick/300 GSM	LS		sq.m	20.00	42300.00
						3-TOTAL-A		479841.45
						DUTY + 12.	5%	59980.18
					Т	OTAL-A		539821.63
	CLADDING MATERIALS					1	ı	
1	OPTINET OR EQUIVALENT ON		OPTINET: 40MESH 120 GSM/ WHITE C			sq.m	70.00	146632.50
2	OPTINET OR EQUIVALENT ON	SIDES	OPTINET: 40MESH 120 GSM/ WHITE C	1234.8	1235	sq.m	70.00	86436.00
3	ALUMINET OR EQUIVALENT AS SECON	ND LAYER	ALUMINET- 50% SHADE : 80GSM	1940.4		sq.m	80.00	155232.00
					т	OTAL-B		388300.50
_								300300.30
	OTHER MATERIALS					1		
1	GALVALUME PROFILE		0.6mm thick/100-120GSM	698	698	m	45.00	31410.00
1 2	GALVALUME PROFILE Zig-zag Spring Insert		2.5mm OD GI/PP COATED	698	698 1396	m m	10.00	31410.00 13960.00
1 2 3	GALVALUME PROFILE Zig-zag Spring Insert GI WIRE FOR SHADE NET		2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM	698	698 1396 77.6	m m kg	10.00 52.00	31410.00 13960.00 4036.03
1 2 3 4	GALVALUME PROFILE Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING		2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM	698	698 1396 77.6 312.6	m m kg kg	10.00 52.00 52.00	31410.00 13960.00 4036.03 16255.20
1 2 3 4 5	GALVALUME PROFILE Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising		2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19	698	698 1396 77.6 312.6 1064.8	m m kg kg	10.00 52.00 52.00 18.00	31410.00 13960.00 4036.03 16255.20 19166.40
1 2 3 4 5 6	GALVALUME PROFILE Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retraction		2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS	698	698 1396 77.6 312.6 1064.8 2115.0	m m kg kg m sq.m	10.00 52.00 52.00 18.00 80.00	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00
1 2 3 4 5 6	GALVALUME PROFILE Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising		2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19	698	698 1396 77.6 312.6 1064.8 2115.0 2115	m m kg kg m sq.m	10.00 52.00 52.00 18.00	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00 150165.00
1 2 3 4 5 6	GALVALUME PROFILE Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retraction Drip Irrigation System including Fog	ggers	2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS	698	698 1396 77.6 312.6 1064.8 2115.0 2115	m kg kg m sq.m sq.m	10.00 52.00 52.00 18.00 80.00	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00 150165.00 404192.63
1 2 3 4 5 6	GALVALUME PROFILE Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retraction	ggers	2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS	698	698 1396 77.6 312.6 1064.8 2115.0 2115 T	m kg kg m sq.m sq.m OTAL-C	10.00 52.00 52.00 18.00 80.00 71.00	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00 150165.00 404192.63
1 2 3 4 5 6	GALVALUME PROFILE Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retraction Drip Irrigation System including Fog	ggers	2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS	698	698 1396 77.6 312.6 1064.8 2115.0 2115 T TOTA SALES TAX	m kg kg m sq.m sq.m OTAL-C AL- (A+B+C)	10.00 52.00 52.00 18.00 80.00 71.00	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00 150165.00 404192.63 1332314.76 66615.74
1 2 3 4 5 6 7	GALVALUME PROFILE Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including Fog TOTAL STRUCTURAL MATE	ggers RIAL COST	2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS	698	698 1396 77.6 312.6 1064.8 2115.0 2115 T TOTA SALES TAX	m kg kg m sq.m sq.m OTAL-C	10.00 52.00 52.00 18.00 80.00 71.00	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00 150165.00 404192.63 1332314.76 66615.74
1 2 3 4 5 6 7	GALVALUME PROFILE Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including Fog  TOTAL STRUCTURAL MATE	ggers RIAL COST	2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS		698 1396 77.6 312.6 1064.8 2115.0 2115 T TOTA SALES TAX	m kg kg m sq.m OTAL-C AL- (A+B+C)	10.00 52.00 52.00 18.00 80.00 71.00 + 5%	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00 150165.00 404192.63 1332314.76 66615.74
1 2 3 4 5 6 7 <b>D</b>	GALVALUME PROFILE Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including Fog  TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors	RIAL COST	2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS B300 GRADE CC: 15" X 6'	38	698 1396 77.6 312.6 1064.8 2115.0 2115 T TOTA SALES TAX	m kg kg m sq.m Sq.m OTAL-C AL- (A+B+C) (CST/VAT) FAL-(ABC)	10.00 52.00 52.00 18.00 80.00 71.00 + 5%	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00 404192.63 1332314.76 66615.74 1398930.50
1 2 3 4 5 6 7 <b>D</b> 1 2	GALVALUME PROFILE  Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including Fog  TOTAL STRUCTURAL MATER  FOUNDATION MATER  Foundations for Corridors Foundations for Outer column	RIAL COST RIALS	2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5'	38	698 1396 77.6 312.6 1064.8 2115.0 2115 T TOTA SALES TAX TOTA 7.8 5.8	m kg kg m sq.m sq.m OTAL-C AL- (A+B+C) ((CST/VAT) TAL-(ABC)	10.00 52.00 52.00 18.00 80.00 71.00 + 5% 5500.00 5500.00	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00 150165.00 404192.63 1332314.76 66615.74 1398930.50
1 2 3 4 5 6 7 <b>D</b> 1 2 3	GALVALUME PROFILE Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including Fog  TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column	RIAL COST  RIALS	2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m	38 34 54	698 1396 77.6 312.6 1064.8 2115.0 2115 T TOTA SALES TAX TOTA 5.8 3.4	m kg kg m sq.m sq.m OTAL-C AL- (A+B+C) (CST/VAT) TAL-(ABC) cu meter cu meter cu meter cu meter	10.00 52.00 18.00 80.00 71.00 + 5% 5500.00 5500.00	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00 150165.00 404192.63 1332314.76 66615.74 1398930.50 42643.77 31795.80 18884.75
1 2 3 4 5 6 7 <b>D</b> 1 2 3	GALVALUME PROFILE  Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including Fog  TOTAL STRUCTURAL MATER  FOUNDATION MATER  Foundations for Corridors Foundations for Outer column	RIAL COST  RIALS	2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5'	38	698 1396 77.6 312.6 1064.8 2115.0 2115 T TOTA SALES TAX TOTA 5.8 3.4 1.2	m kg kg m sq.m sq.m OTAL-C AL- (A+B+C) ((CST/VAT) TAL-(ABC)	10.00 52.00 52.00 18.00 80.00 71.00 + 5% 5500.00 5500.00	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00 150165.00 404192.63 1332314.76 66615.74 1398930.50 42643.77 31795.80 18884.75 14400.00
1 2 3 4 5 6 7 <b>D</b> 1 2 3	GALVALUME PROFILE Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including Fog  TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column	RIAL COST  RIALS	2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m	38 34 54	698 1396 77.6 312.6 1064.8 2115.0 2115 T TOTA SALES TAX TOTA 5.8 3.4 1.2	m kg kg m sq.m sq.m OTAL-C AL- (A+B+C) (CST/VAT) TAL-(ABC) cu meter cu meter cu meter cu meter cu meter cu meter	10.00 52.00 18.00 80.00 71.00 + 5% 5500.00 5500.00	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00 150165.00 404192.63 1332314.76 66615.74 1398930.50 42643.77 31795.80 18884.75 14400.00
1 2 3 4 5 6 7 D 1 2 3 4	GALVALUME PROFILE Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including Fog  TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for Cortidors Foundations for Outer column Foundations for Inner column Flooring inside Double Door E	RIAL COST  RIALS	2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m	38 34 54	698 1396 77.6 312.6 1064.8 2115.0 2115 T TOTA SALES TAX TOT 7.8 5.8 3.4 1.2	m kg kg m sq.m sq.m OTAL-C AL- (A+B+C) (CST/VAT) TAL-(ABC) cu meter cu meter cu meter cu meter cu meter cu meter	10.00 52.00 18.00 80.00 71.00 + 5% 5500.00 5500.00	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00 404192.63 1332314.76 66615.74 1398930.50 42643.77 31795.80 18884.75 14400.00 107724.32
1 2 3 4 5 6 7 <b>D</b> 1 2 3 4	GALVALUME PROFILE  Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including Fog  TOTAL STRUCTURAL MATER  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column Flooring inside Double Door E	RIAL COST  RIALS	2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS  B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m  Brick work + CC - 3m x 4m x 0.1m	38 34 54	698 1396 77.6 312.6 1064.8 2115.0 2115 T TOTA SALES TAX TOT  7.8 5.8 3.4 1.2 T	m kg kg m sq.m sq.m OTAL-C AL- (A+B+C) ((CST/VAT) FAL-(ABC) cu meter cu meter cu meter cu meter cu meter cu meter	10.00 52.00 18.00 80.00 71.00 + 5% 5500.00 5500.00 12000.00	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00 150165.00 404192.63 1332314.76 66615.74 1398930.50 42643.77 31795.80 18884.75 14400.00 107724.32
1 2 3 4 5 6 7 <b>D</b> 1 2 3 4 <b>E</b> 1 4	GALVALUME PROFILE  Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including Fog  TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column Flooring inside Double Door E  LABOUR COST Foundation	RIAL COST  RIALS	2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m Brick work + CC - 3m x 4m x 0.1m	38 34 54	698 1396 77.6 312.6 1064.8 2115.0 2115 T TOTA SALES TAX TOTA 5.8 3.4 1.2 T 126 2115	m kg kg m sq.m sq.m OTAL-C AL- (A+B+C) (CST/VAT) TAL-(ABC) cu meter cu meter cu meter cu meter cu meter OTAL-D	10.00 52.00 18.00 80.00 71.00 + 5% 5500.00 5500.00 12000.00	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00 150165.00 404192.63 1332314.76 66615.74 1398930.50 42643.77 31795.80 18884.75 14400.00 107724.32
1 2 3 4 5 6 7 <b>D</b> 1 2 3 4 <b>E</b> 1 4	GALVALUME PROFILE Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including Fog  TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column Flooring inside Double Door E  LABOUR COST Foundation FABRICATION CHARGES	RIAL COST  RIALS	2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS  B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m Brick work + CC - 3m x 4m x 0.1m  6'/5'/3' depth x 15" & 12" As per design requirement	38 34 54	698 1396 77.6 312.6 1064.8 2115.0 2115 T TOTA SALES TAX TOTA 5.8 3.4 1.2 T 126 2115	m kg kg m sq.m sq.m OTAL-C AL- (A+B+C) (CST/VAT) TAL-(ABC) cu meter cu meter cu meter cu meter OTAL-D Nos sq.m	10.00 52.00 18.00 80.00 71.00 + 5% 5500.00 5500.00 12000.00 150.00 40.00	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00 150165.00 404192.63 1332314.76 66615.74 1398930.50 42643.77 31795.80 18884.75 14400.00 107724.32
1 2 3 4 5 6 7 <b>D</b> 1 2 3 4 <b>E</b> 1 4 5	GALVALUME PROFILE Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retraction Drip Irrigation System including For TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column Flooring inside Double Door E  LABOUR COST Foundation FABRICATION CHARGES INSTALLATION CHARGES	RIAL COST  RIALS	2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS  B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m Brick work + CC - 3m x 4m x 0.1m  6'/5'/3' depth x 15" & 12" As per design requirement	38 34 54	698 1396 77.6 312.6 1064.8 2115.0 2115 TOTA SALES TAX TOT  7.8 5.8 3.4 1.2 T 126 2115 2115	m kg kg m sq.m sq.m OTAL-C AL- (A+B+C) (CST/VAT) TAL-(ABC) cu meter cu meter cu meter cu meter OTAL-D Nos sq.m	10.00 52.00 18.00 80.00 71.00 + 5% 5500.00 5500.00 12000.00 150.00 40.00	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00 150165.00 404192.63 1332314.76 66615.74 1398930.50 42643.77 31795.80 18884.75 14400.00 107724.32
1 2 3 4 5 6 7 <b>D</b> 1 2 3 4 <b>E</b> 1 4 5	GALVALUME PROFILE Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retraction Drip Irrigation System including For TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column Flooring inside Double Door E  LABOUR COST Foundation FABRICATION CHARGES INSTALLATION CHARGES	RIAL COST  RIALS	2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS  B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m Brick work + CC - 3m x 4m x 0.1m  6'/5'/3' depth x 15" & 12" As per design requirement	38 34 54	698 1396 77.6 312.6 1064.8 2115.0 2115 T TOTA SALES TAX TOT  7.8 5.8 3.4 1.2 T 126 2115 2115	m kg kg m sq.m sq.m OTAL-C AL- (A+B+C) ((CST/VAT) FAL-(ABC) Cu meter cu meter cu meter cu meter cu meter sq.m sq.m sq.m sq.m	10.00 52.00 18.00 80.00 71.00 + 5% 5500.00 5500.00 12000.00 150.00 40.00 40.00	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00 150165.00 404192.63 1332314.76 66615.74 1398930.50 42643.77 31795.80 18884.75 14400.00 107724.32
1 2 3 4 5 6 7 <b>D</b> 1 2 3 4 <b>E</b> 1 4 5	GALVALUME PROFILE Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retraction Drip Irrigation System including For TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column Flooring inside Double Door E  LABOUR COST Foundation FABRICATION CHARGES INSTALLATION CHARGES	RIAL COST  RIALS	2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS  B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m Brick work + CC - 3m x 4m x 0.1m  6'/5'/3' depth x 15" & 12" As per design requirement	38 34 54	698 1396 77.6 312.6 1064.8 2115.0 2115 T TOTA SALES TAX TOT  7.8 5.8 3.4 1.2 T 126 2115 2115 SUE SERVICE SERVICE	m kg kg m sq.m sq.m OTAL-C AL- (A+B+C) ((CST/VAT) TAL-(ABC) Cu meter cu meter cu meter cu meter oTAL-D Nos sq.m sq.m	10.00 52.00 18.00 80.00 71.00 + 5% 5500.00 5500.00 12000.00 150.00 40.00 40.00	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00 150165.00 404192.63 1332314.76 66615.74 1398930.50 42643.77 31795.80 18884.75 14400.00 107724.32 18900.00 84600.00 208100.00 31215.00
1 2 3 4 5 6 7 <b>D</b> 1 2 3 4 <b>E</b> 1 4 5 6	GALVALUME PROFILE Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retraction Drip Irrigation System including For TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column Flooring inside Double Door E  LABOUR COST Foundation FABRICATION CHARGES INSTALLATION CHARGES	RIAL COST  RIALS  Ins Ins Ins Ins Ins Ins Ins Ins Ins In	2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS  B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m Brick work + CC - 3m x 4m x 0.1m  6'/5'/3' depth x 15" & 12" As per design requirement	38 34 54	698 1396 77.6 312.6 1064.8 2115.0 2115 T TOTA SALES TAX TOT  7.8 5.8 3.4 1.2 T 126 2115 2115 SUE SERVICE T	m kg kg m sq.m oTAL-C AL- (A+B+C) ((CST/VAT) TAL-(ABC)  cu meter cu meter cu meter cu meter cu meter sq.m Nos sq.m sq.m sq.m	10.00 52.00 18.00 80.00 71.00 + 5% 5500.00 5500.00 12000.00 150.00 40.00 40.00	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00
1 2 3 4 5 6 7 <b>D</b> 1 2 3 4 <b>E</b> 1 4 5 6	GALVALUME PROFILE Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including Fog  TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column Flooring inside Double Door E  LABOUR COST FOUNDATION CHARGES INSTALLATION CHARGES TRANSPORTATION CHARGES	RIAL COST  RIALS  Ins Ins Ins Ins Ins Ins Ins Ins Ins In	2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS  B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m Brick work + CC - 3m x 4m x 0.1m  6'/5'/3' depth x 15" & 12" As per design requirement As per design requirement	38 34 54	698 1396 77.6 312.6 1064.8 2115.0 2115 TOTA SALES TAX TOT  7.8 5.8 3.4 1.2 T 126 2115 2115 SUE SERVIC T 0.25%	m kg kg m sq.m sq.m OTAL-C AL- (A+B+C) (CST/VAT) TAL-(ABC)  Cu meter cu meter cu meter cu meter oTAL-D  Nos sq.m sq.m sq.m sq.m	10.00 52.00 18.00 80.00 71.00 + 5% 5500.00 5500.00 12000.00 150.00 40.00 40.00	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00 150165.00 404192.63 1332314.76 66615.74 1398930.50 42643.77 31795.80 18884.75 14400.00 107724.32 18900.00 84600.00 20000.00 208100.00 239315.00
1 2 3 4 5 6 7 D 1 2 3 4 E 1 4 5 6	GALVALUME PROFILE Zig-zag Spring Insert GI WIRE FOR SHADE NET GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including Fog  TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column Flooring inside Double Door E  LABOUR COST FOUNDATION CHARGES INSTALLATION CHARGES TRANSPORTATION CHARGES	RIAL COST  RIALS  Ins Ins Ins Ins Ins Ins Ins Ins Ins In	2.5mm OD GI/PP COATED 2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS  B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m Brick work + CC - 3m x 4m x 0.1m  6'/5'/3' depth x 15" & 12" As per design requirement As per design requirement	38 34 54	698 1396 77.6 312.6 1064.8 2115.0 2115 T TOTA SALES TA) TOT  7.8 5.8 3.4 1.2 T 126 2115 2115 SUE SERVIC T 0.25% GRA	m kg kg kg m sq.m OTAL-C AL- (A+B+C) C(CST/VAT) FAL-(ABC)  Cu meter cu meter cu meter cu meter du meter cu meter cu meter cu meter cu meter oTAL-D  Nos sq.m sq.m	10.00 52.00 18.00 80.00 71.00  + 5%  5500.00 5500.00 12000.00 40.00 40.00 40.00	31410.00 13960.00 4036.03 16255.20 19166.40 169200.00 150165.00 404192.63 1332314.76 66615.74 1398930.50 42643.77 31795.80 18884.75 14400.00 107724.32 18900.00 84600.00 20000.00 208100.00 239315.00 4364.92

DON	ME SHAPED TOP NET HEIGHT ABOV LEVEL 5 m		GRID SIZE: 6m X 4m			AL AREA :	3021	sq.m	
S.No	Description	Qty Unit	Description	Qty	Unit				
1	GABLE LENGTH		NET GABLE LENGTH	48		D	OME SHA	PED	
3	SHADE SPAN WIDTH No.OF GABLES		NET SHADE SPAN WIDTH NET CULTIVABLE AREA	52 2496		STANI	DARD SHA	ADE NET	
4	No.OF SHADE SPANS	13 No	GROSS GABLE LENGTH	53	m				
5	BALCONY ON FOUR SIDES		GROSS SHADE SPAN LENGTH	57		HOUSI	E WITH AI	LUMINE	
6 C N =	Height of NET HOUSE	5 m	GROSS SHADE AREA	3021		11	Data	A	
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount	
Α	STRUCTURAL MATERIALS					1			
1	Foundations for Balcony pipes	5	OD: 48mm/3mm/1.2m	46	193.2	kg	65.00	12558.00	
2	Foundations for Outer Column	ns	OD: 48mm/3mm/1m	42	147.0	kg	65.00	9555.00	
3	Foundations for Inner Column	ıs	OD: 48mm/3mm/0.75m	84	220.5	kg	65.00	14332.50	
4	Main (All) Columns		OD: 60mm/2mm/4m	126	1512.0	kg	65.00	98280.00	
5	Truss Pipe (Along the gable)		OD: 48mm/2mm/6m	112	1579.2	kg	65.00	102648.00	
6	Arch Pipe		OD: 48mm/2mm/6.4m	112	1680.00		65.00	109200.00	
7	Center support pipe		OD: 33mm/2mm/1.0m	112	179.20		65.00	11648.00	
8	Purlin Pipe (Across the gable)		OD: 48mm/2mm/4m	221	2077.40	_	65.00	135031.00	
9	Corridor/Balcony Pipe		OD: 60mm/2mm/4.8m	46	662.4		65.00	43056.00	
10	Horizontal Member in Corrido	or	OD: 33mm/2mm/1.2m	46	88.3	_	65.00	5740.80	
11	Knee bracing at all columns		OD: 33mm/2mm/1.2m	252	483.8		65.00	31449.60	
12	HUMAN ENTRY		Double Door System	1		set .	20000.00	20000.00	
13	TRACTOR ENTRY	214/4.05	AS PER SPECIFICATIONS	1		set	14000.00	14000.00	
14	CLAMPS, COUPLERS AND ALL HARD	DWARE	2.5mm thick/300 GSM	LS	3021	•	20.00	60420.00	
						B-TOTAL-A	F0/	667918.90	
						DUTY + 12.	5%	83489.86 <b>751408.7</b> 6	
В	CLADDING MATERIALS					OTAL-A	TAL-A		
1	OPTINET OR EQUIVALENT ON	TOP	OPTINET: 40MESH 120 GSM/ WHITE C	3095.8	3096	sa m	70.00	216707.40	
2	OPTINET OR EQUIVALENT ON		OPTINET: 40MESH 120 GSM/ WHITE C	1461.6		sq.m	70.00	102312.00	
3	ALUMINET OR EQUIVALENT AS SECON		ALUMINET- 50% SHADE : 80GSM				80.00		
	THEORIMET ON EQUIVALENT TO SECON	TO DATEN	ALOWINET 30% SHADE . 8003W	2866.5	2867 <b>T</b>	OTAL-B		229320.00 <b>548339.40</b>	
С	OTHER MATERIALS					OTAL-D		340333.40	
1	GALVALUME PROFILE		0.6mm thick/100-120GSM	938	938	m	45.00	42210.00	
2	Zig-zag Spring Insert		2.5mm OD GI/PP COATED	330	1876		10.00	18760.00	
3	GI WIRE FOR SHADE NET		2.5mm OD/ 50-70 GSM		114.0		52.00	5930.50	
4	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM		312.6		52.00	16255.20	
5	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		1540		18.00	27720.00	
6	Semi-automatic Shade net retraction	on system	AS PER SPECIFICATIONS		3021.0	sq.m	70.00	211470.00	
7	Drip Irrigation System including Fog	ggers	AS PER SPECIFICATIONS		3021	sq.m	71.00	214491.00	
					Т	OTAL-C		536836.70	
	TOTAL STRUCTURAL MATE	RIAL COST			TOTA	AL- (A+B+C)		1836584.86	
					SALES TAX	((CST/VAT)	+ 5%	91829.24	
					TO	TAL-(ABC)		1928414.10	
D	FOUNDATION MATER	RIALS		1		1			
	Foundations for corridors		B300 GRADE CC: 15" X 6'	46		cu meter	5500.00	51621.41	
2	Foundations for Outer column		B300 GRADE CC: 15" X 5'	42		cu meter	5500.00	39277.16	
3	Foundations for Inner column		B300 GRADE CC: 12" X 1m	84		cu meter	5500.00	29376.27	
4	Flooring inside Double Door E	ntry	Brick work + CC - 3m x 4m x 0.1m	12		cu meter	12000.00	14400.00	
1				1	T	OTAL-D		134674.84	
	I ADOLLD COST							25800.00	
E 1	LABOUR COST		6'/5'/3' denth y 15" 9, 12"		172	Nos	150.00		
1	Foundation		6'/5'/3' depth x 15" & 12"			Nos sa m	150.00		
1 4	Foundation FABRICATION CHARGES		As per design requirement		3021	sq.m	40.00	120840.00	
1 4 5	Foundation FABRICATION CHARGES INSTALLATION CHARGES				3021			120840.00 120840.00	
1 4	Foundation FABRICATION CHARGES		As per design requirement		3021 3021	sq.m sq.m	40.00	120840.00 120840.00 25000.00	
1 4 5	Foundation FABRICATION CHARGES INSTALLATION CHARGES		As per design requirement		3021 3021 SUE	sq.m	40.00 40.00	120840.00 120840.00 25000.00 <b>292480.00</b>	
1 4 5	Foundation FABRICATION CHARGES INSTALLATION CHARGES		As per design requirement		3021 3021 SUE SERVIC	sq.m sq.m <b>3-TOTAL-E</b>	40.00 40.00	120840.00 120840.00 25000.00 292480.00 43872.00 336352.00	
1 4 5 6	Foundation FABRICATION CHARGES INSTALLATION CHARGES	Standar	As per design requirement		3021 3021 SUE SERVIC	sq.m sq.m B-TOTAL-E E TAX + 15	40.00 40.00	120840.00 120840.00 25000.00 <b>292480.00</b> <b>43872.00</b>	
1 4 5 6	FOUNDATION CHARGES INSTALLATION CHARGES TRANSPORTATION CHARGES	Standar	As per design requirement As per design requirement		3021 3021 SUE SERVIC T 0.25%	sq.m sq.m B-TOTAL-E E TAX + 15 OTAL-E	40.00 40.00	120840.00 120840.00 25000.00 <b>292480.00</b> 43872.00 336352.00	
1 4 5 6	FOUNDATION CHARGES INSTALLATION CHARGES TRANSPORTATION CHARGES	Standar	As per design requirement As per design requirement		3021 3021 SUE SERVIC T 0.25% GRA	sq.m sq.m B-TOTAL-E E TAX + 15 OTAL-E of Unit Cos	40.00 40.00	120840.00 120840.00 25000.00 <b>292480.00</b> <b>43872.00</b> <b>336352.00</b>	

	ME SHAPED TOP NET HEIGHT ABOV	/E GROUND	GRID SIZE: 6m X 4m		HOUSE TOTA	AL AREA :	4081	sa.m
S.No	LEVEL 5 m Description	Qty Unit	Description	Qty	Unit			
1	GABLE LENGTH		NET GABLE LENGTH	48		D	<b>OME SHA</b>	PED
2	SHADE SPAN WIDTH		NET SHADE SPAN WIDTH	72	m			
3	No.OF GABLES No.OF SHADE SPANS		NET CULTIVABLE AREA GROSS GABLE LENGTH	3456 53		SIANI	DARD SHA	ADE NEI
5	BALCONY ON FOUR SIDES		GROSS SHADE SPAN LENGTH	77		HOUS	E WITH AI	LUMINET
6	Height of NET HOUSE		GROSS SHADE AREA	4081				
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS							
1	Foundations for Balcony pipes		OD: 48mm/3mm/1.2m	56	235.2	kσ	65.00	15288.00
2	Foundations for Outer Column		OD: 48mm/3mm/1m	52	182.0	_	65.00	11830.00
3	Foundations for Inner Column		OD: 48mm/3mm/0.75m	119	312.4	-	65.00	20304.38
4	Main (All) Columns	13	OD: 60mm/2mm/4m	171	2052.0		65.00	133380.00
5	Truss Pipe (Along the gable)		OD: 48mm/2mm/6m	152	2143.2		65.00	139308.00
6	Arch Pipe		OD: 48mm/2mm/6.4m	152	2280.00	_	65.00	148200.00
7	Center support pipe		OD: 33mm/2mm/1.0m	152	243.20	_	65.00	15808.00
8	Purlin Pipe (Across the gable)		OD: 48mm/2mm/4m	306	2876.40	_	65.00	186966.00
9	Corridor/Balcony Pipe		OD: 60mm/2mm/4.8m	56	806.4		65.00	52416.00
10	Horizontal Member in Corrido	or	OD: 33mm/2mm/1.2m	56	107.5	_	65.00	6988.80
11	Knee bracing at all columns		OD: 33mm/2mm/1.2m	342	656.6		65.00	42681.60
12	HUMAN ENTRY		Double Door System	1		set	20000.00	20000.00
13	TRACTOR ENTRY		AS PER SPECIFICATIONS	1	1	set	14000.00	14000.00
14	CLAMPS, COUPLERS AND ALL HARD	OWARE ITEMS	2.5mm thick/300 GSM	LS	4081	sq.m	20.00	81620.00
						-TOTAL-A		888790.78
					EXCISE I	DUTY + 12.	5%	111098.85
					T	OTAL-A		999889.62
В	CLADDING MATERIALS							
1	OPTINET OR EQUIVALENT ON	TOP	OPTINET: 40MESH 120 GSM/ WHITE C	4286.5	4287		70.00	300056.40
2	OPTINET OR EQUIVALENT ON	SIDES	OPTINET: 40MESH 120 GSM/ WHITE C	1713.6	1714	sq.m	70.00	119952.00
3	ALUMINET OR EQUIVALENT AS SECON	ND LAYER	ALUMINET- 50% SHADE : 80GSM	3969	3969	sq.m	80.00	317520.00
					Т	TAL-B		737528.40
С	OTHER MATERIALS			1		ı		
1	GALVALUME PROFILE		0.6mm thick/100-120GSM	1228	1228		45.00	55260.00
2	Zig-zag Spring Insert		2.5mm OD GI/PP COATED		2456	m	10.00	24560.00
			,				10.00	
3	GI WIRE FOR SHADE NET		2.5mm OD/ 50-70 GSM		156.3	kg	52.00	8126.98
4	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM		156.3 312.6	kg kg	52.00 52.00	8126.98 16255.20
4 5	GI WIRE FOR TRELLISING GI Wire Rope For Trellising		2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19		156.3 312.6 2090	kg kg m	52.00 52.00 18.00	8126.98 16255.20 37620.00
4 5 6	GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retraction		2.5mm OD/ 50-70 GSM  2.5mm OD/ 50-70 GSM  4.0mm OD/ 1 X 19 or 7 x 19  AS PER SPECIFICATIONS		156.3 312.6 2090 4081.0	kg kg m sq.m	52.00 52.00 18.00 60.00	8126.98 16255.20 37620.00 244860.00
4 5	GI WIRE FOR TRELLISING GI Wire Rope For Trellising		2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19		156.3 312.6 2090 4081.0 4081	kg kg m sq.m sq.m	52.00 52.00 18.00	8126.98 16255.20 37620.00 244860.00 289751.00
4 5 6	GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including For	ggers	2.5mm OD/ 50-70 GSM  2.5mm OD/ 50-70 GSM  4.0mm OD/ 1 X 19 or 7 x 19  AS PER SPECIFICATIONS		156.3 312.6 2090 4081.0 4081 T	kg kg m sq.m sq.m OTAL-C	52.00 52.00 18.00 60.00 71.00	8126.98 16255.20 37620.00 244860.00 289751.00 676433.18
4 5 6	GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retraction	ggers	2.5mm OD/ 50-70 GSM  2.5mm OD/ 50-70 GSM  4.0mm OD/ 1 X 19 or 7 x 19  AS PER SPECIFICATIONS		156.3 312.6 2090 4081.0 4081 T	kg m sq.m sq.m OTAL-C	52.00 52.00 18.00 60.00 71.00	8126.98 16255.20 37620.00 244860.00 289751.00 676433.18 2413851.20
4 5 6	GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including For	ggers	2.5mm OD/ 50-70 GSM  2.5mm OD/ 50-70 GSM  4.0mm OD/ 1 X 19 or 7 x 19  AS PER SPECIFICATIONS		156.3 312.6 2090 4081.0 4081 T TOTA SALES TAX	kg m sq.m sq.m OTAL-C \(CST/VAT)	52.00 52.00 18.00 60.00 71.00	8126.98 16255.20 37620.00 244860.00 289751.00 676433.18 2413851.20
4 5 6 7	GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including For	ggers RIAL COST	2.5mm OD/ 50-70 GSM  2.5mm OD/ 50-70 GSM  4.0mm OD/ 1 X 19 or 7 x 19  AS PER SPECIFICATIONS		156.3 312.6 2090 4081.0 4081 T TOTA SALES TAX	kg m sq.m sq.m OTAL-C	52.00 52.00 18.00 60.00 71.00	8126.98 16255.20 37620.00
4 5 6 7	GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including For TOTAL STRUCTURAL MATE FOUNDATION MATER	ggers RIAL COST	2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS	56	156.3 312.6 2090 4081.0 4081 T TOTA SALES TAX	kg m sq.m sq.m OTAL-C AL- (A+B+C)	52.00 52.00 18.00 60.00 71.00 + 5%	8126.98 16255.20 37620.00 244860.00 289751.00 676433.18 2413851.20 120692.56 2534543.76
4 5 6 7 <b>D</b>	GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retraction Drip Irrigation System including For TOTAL STRUCTURAL MATE FOUNDATION MATER Foundations for corridors	RIAL COST	2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS B300 GRADE CC: 15" X 6'	56	156.3 312.6 2090 4081.0 4081 T TOTA SALES TAX	kg kg m sq.m sq.m OTAL-C \(\(\(\text{L-}\)(\(\text{AB-C}\))\)	52.00 52.00 18.00 60.00 71.00 + 5%	8126.98 16255.20 37620.00 244860.00 289751.00 676433.18 2413851.20 120692.56 2534543.76
4 5 6 7 <b>D</b> 1 2	GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including For TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column	RIAL COST RIALS	2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5'	52	156.3 312.6 2090 4081.0 4081 T TOTA SALES TAX TOT	kg kg m sq.m oTAL-C L- (A+B+C) C(CST/VAT) TAL-(ABC) cu meter cu meter	52.00 52.00 18.00 60.00 71.00 + 5%	8126.98 16255.20 37620.00 244860.00 289751.00 676433.18 2413851.20 120692.56 <b>2534543.76</b> 62843.46 48628.87
4 5 6 7 <b>D</b>	GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including For TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column	RIAL COST  RIALS	2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m		156.3 312.6 2090 4081.0 4081 T TOTA SALES TAX TOTA 11.4 8.8 7.6	kg kg m sq.m sq.m OTAL-C AL- (A+B+C) C(CST/VAT) TAL-(ABC) cu meter cu meter cu meter	52.00 52.00 18.00 60.00 71.00 + 5%	8126.98 16255.20 37620.00 244860.00 289751.00 676433.18 2413851.20 120692.56 2534543.76 62843.46 48628.87 41616.38
4 5 6 7 D 1 2 3	GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including For TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column	RIAL COST  RIALS	2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5'	52 119	156.3 312.6 2090 4081.0 4081 T TOTA SALES TAX TOT 11.4 8.8 7.6 1.2	kg kg m sq.m oTAL-C L- (A+B+C) C(CST/VAT) TAL-(ABC) cu meter cu meter	52.00 52.00 18.00 60.00 71.00 + 5% 5500.00 5500.00	8126.98 16255.20 37620.00 244860.00 289751.00 676433.18 2413851.20
4 5 6 7 D 1 2 3	GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including For TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column	RIAL COST  RIALS	2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m	52 119	156.3 312.6 2090 4081.0 4081 T TOTA SALES TAX TOT 11.4 8.8 7.6 1.2	kg kg m sq.m sq.m OTAL-C AL- (A+B+C) C(CST/VAT) TAL-(ABC) cu meter cu meter cu meter cu meter	52.00 52.00 18.00 60.00 71.00 + 5% 5500.00 5500.00	8126.98 16255.20 37620.00 244860.00 289751.00 676433.18 2413851.20 120692.56 2534543.76 62843.46 48628.87 41616.38 14400.00
4 5 6 7 <b>D</b> 1 2 3 4	GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retraction Drip Irrigation System including For TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column Flooring inside Double Door E	RIAL COST  RIALS	2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m	52 119	156.3 312.6 2090 4081.0 4081 T TOTA SALES TAX TOT 11.4 8.8 7.6 1.2	kg kg m sq.m sq.m OTAL-C AL- (A+B+C) C(CST/VAT) TAL-(ABC) cu meter cu meter cu meter cu meter	52.00 52.00 18.00 60.00 71.00 + 5% 5500.00 5500.00	8126.98 16255.20 37620.00 244860.00 289751.00 676433.18 2413851.20 120692.56 2534543.76 62843.46 48628.87 41616.38 14400.00
4 5 6 7 D 1 2 3 4	GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retraction Drip Irrigation System including For TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column Flooring inside Double Door E	RIAL COST  RIALS	2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m Brick work + CC - 3m x 4m x 0.1m	52 119	156.3 312.6 2090 4081.0 4081 T TOTA SALES TAX TOT 11.4 8.8 7.6 1.2	kg kg m sq.m oTAL-C AL- (A+B+C) C(CST/VAT) TAL-(ABC)  cu meter cu meter cu meter cu meter cu meter	52.00 52.00 18.00 60.00 71.00 + 5% 5500.00 5500.00 12000.00	8126.98 16255.20 37620.00 244860.00 289751.00 676433.18 2413851.20 120692.56 2534543.76 62843.46 48628.87 41616.38 14400.00 167488.71
4 5 6 7 D 1 2 3 4	GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including For TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column Flooring inside Double Door E  LABOUR COST Foundation	RIAL COST  RIALS	2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS  B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m Brick work + CC - 3m x 4m x 0.1m	52 119	156.3 312.6 2090 4081.0 4081 TOTA SALES TAX TOT 11.4 8.8 7.6 1.2	kg kg m sq.m sq.m OTAL-C AL- (A+B+C) C(CST/VAT) TAL-(ABC)  cu meter cu meter cu meter cu meter oTAL-D  Nos sq.m	52.00 52.00 18.00 60.00 71.00 + 5% 5500.00 5500.00 12000.00	8126.98 16255.20 37620.00 244860.00 289751.00 676433.18 2413851.20 120692.56 2534543.76 48628.87 41616.38 14400.00
4 5 6 7 D 1 2 3 4 E 1 4	GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including For  TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column Flooring inside Double Door E  LABOUR COST Foundation FABRICATION CHARGES	RIAL COST  RIALS	2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS  B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m Brick work + CC - 3m x 4m x 0.1m  6'/5'/3' depth x 15" & 12" As per design requirement	52 119	156.3 312.6 2090 4081.0 4081 T TOTA SALES TAX TOT  11.4 8.8 7.6 1.2 T 227 4081	kg kg m sq.m sq.m OTAL-C AL- (A+B+C) C(CST/VAT) TAL-(ABC)  cu meter cu meter cu meter cu meter oTAL-D  Nos sq.m	52.00 52.00 18.00 60.00 71.00 + 5% 5500.00 5500.00 12000.00	8126.98 16255.20 37620.00 244860.00 289751.00 676433.18 2413851.20 120692.56 2534543.76 62843.46 48628.87 41616.38 14400.00 167488.71 34050.00 163240.00 163240.00
4 5 6 7 D 1 2 3 4 E 1 4 5	GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retraction Drip Irrigation System including For TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column Flooring inside Double Door E  LABOUR COST Foundation FABRICATION CHARGES INSTALLATION CHARGES	RIAL COST  RIALS	2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS  B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m Brick work + CC - 3m x 4m x 0.1m  6'/5'/3' depth x 15" & 12" As per design requirement	52 119	156.3 312.6 2090 4081.0 4081.  T TOTA SALES TAX TOT  11.4 8.8 7.6 1.2 T 4081 4081	kg kg m sq.m sq.m OTAL-C AL- (A+B+C) C(CST/VAT) TAL-(ABC)  cu meter cu meter cu meter cu meter oTAL-D  Nos sq.m	52.00 52.00 18.00 60.00 71.00 + 5% 5500.00 5500.00 12000.00	8126.98 16255.20 37620.00 244860.00 289751.00 676433.18 2413851.20 120692.56 2534543.76  62843.46 48628.87 41616.38 14400.00 167488.71  34050.00 163240.00 30000.00
4 5 6 7 D 1 2 3 4 E 1 4 5	GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retraction Drip Irrigation System including For TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column Flooring inside Double Door E  LABOUR COST Foundation FABRICATION CHARGES INSTALLATION CHARGES	RIAL COST  RIALS	2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS  B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m Brick work + CC - 3m x 4m x 0.1m  6'/5'/3' depth x 15" & 12" As per design requirement	52 119	156.3 312.6 2090 4081.0 4081.  T TOTA  SALES TAX  TOT  11.4 8.8 7.6 1.2 T 4081 4081	kg kg m sq.m sq.m OTAL-C AL- (A+B+C) C(CST/VAT) TAL-(ABC)  cu meter cu meter cu meter cu meter oTAL-D  Nos sq.m sq.m	52.00 52.00 18.00 60.00 71.00 + 5% 5500.00 5500.00 12000.00 150.00 40.00 40.00	8126.98 16255.20 37620.00 244860.00 289751.00 676433.18 2413851.20 120692.56 2534543.76 62843.46 48628.87 41616.38 14400.00 167488.71 34050.00 163240.00 30000.00 390530.00
4 5 6 7 D 1 2 3 4 E 1 4 5	GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retraction Drip Irrigation System including For TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column Flooring inside Double Door E  LABOUR COST Foundation FABRICATION CHARGES INSTALLATION CHARGES	RIAL COST  RIALS	2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS  B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m Brick work + CC - 3m x 4m x 0.1m  6'/5'/3' depth x 15" & 12" As per design requirement	52 119	156.3 312.6 2090 4081.0 4081 TOTA SALES TAX TOT  11.4 8.8 7.6 1.2 T 227 4081 4081 SUBSERVICE SERVICE	kg kg m sq.m Sq.m OTAL-C AL- (A+B+C) C(CST/VAT) TAL-(ABC)  Cu meter cu meter cu meter cu meter cu meter sq.m Nos sq.m sq.m	52.00 52.00 18.00 60.00 71.00 + 5% 5500.00 5500.00 12000.00 150.00 40.00 40.00	8126.98 16255.20 37620.00 244860.00 289751.00 676433.18 2413851.20 120692.56 2534543.76 62843.46 48628.87 41616.38 14400.00 167488.71 34050.00 163240.00 30000.00 390530.00 58579.50
4 5 6 7 D 1 2 3 4 E 1 4 5	GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retraction Drip Irrigation System including For TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column Flooring inside Double Door E  LABOUR COST Foundation FABRICATION CHARGES INSTALLATION CHARGES	RIAL COST  RIALS  IS SENTRY	2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS  B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m Brick work + CC - 3m x 4m x 0.1m  6'/5'/3' depth x 15" & 12" As per design requirement	52 119	156.3 312.6 2090 4081.0 4081 T TOTA SALES TAX TOT  11.4 8.8 7.6 1.2 T 4081 4081 SUE SERVIC	kg kg m sq.m sq.m OTAL-C NL- (A+B+C) C(CST/VAT) TAL-(ABC)  cu meter cu meter cu meter cu meter cu meter sq.m sq.m sq.m sq.m	52.00 52.00 18.00 60.00 71.00 + 5% 5500.00 5500.00 12000.00 150.00 40.00 40.00	8126.98 16255.20 37620.00 244860.00 289751.00 676433.18 2413851.20 120692.56 2534543.76 48628.87 41616.38 14400.00 167488.71 34050.00 163240.00
4 5 6 7 D 1 2 3 4 E 1 4 5 6	GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including For  TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column Flooring inside Double Door E  LABOUR COST Foundation FABRICATION CHARGES INSTALLATION CHARGES TRANSPORTATION CHARGES	RIAL COST  RIALS  IS SENTRY	2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS  B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m Brick work + CC - 3m x 4m x 0.1m  6'/5'/3' depth x 15" & 12" As per design requirement As per design requirement	52 119	156.3 312.6 2090 4081.0 4081.0 TOTA SALES TAX TOT  11.4 8.8 7.6 1.2 T 4081 4081  SUE SERVIC T 0.25% GRA	kg kg m sq.m sq.m OTAL-C L- (A+B+C) C(CST/VAT) TAL-(ABC)  Cu meter cu meter cu meter cu meter OTAL-D  Nos sq.m sq.m sq.m sq.m S-TOTAL-E E TAX + 15 OTAL-E of Unit Co. ND TOTAL	52.00 52.00 18.00 60.00 71.00 + 5% 5500.00 5500.00 12000.00 40.00 40.00 40.00	8126.98 16255.20 37620.00 244860.00 289751.00 676433.18 2413851.20 120692.56 2534543.76 62843.46 48628.87 41616.38 14400.00 167488.71 34050.00 163240.00 30000.00 390530.00 58579.50
4 5 6 7 1 2 3 4 E 1 4 5 6	GI WIRE FOR TRELLISING GI Wire Rope For Trellising Semi-automatic Shade net retractic Drip Irrigation System including For  TOTAL STRUCTURAL MATE  FOUNDATION MATER Foundations for corridors Foundations for Outer column Foundations for Inner column Flooring inside Double Door E  LABOUR COST Foundation FABRICATION CHARGES INSTALLATION CHARGES TRANSPORTATION CHARGES	RIAL COST  RIALS  IS SENTRY	2.5mm OD/ 50-70 GSM 2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS AS PER SPECIFICATIONS  B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m Brick work + CC - 3m x 4m x 0.1m  6'/5'/3' depth x 15" & 12" As per design requirement As per design requirement	52 119	156.3 312.6 2090 4081.0 4081.  TOTA SALES TAX TOT  11.4 8.8 7.6 1.2 T 4081 4081  SUE SERVIC T 0.25% GRA COST	kg kg m sq.m sq.m OTAL-C AL-(A+B+C) C(CST/VAT) TAL-(ABC)  Cu meter cu meter cu meter cu meter oTAL-D  Nos sq.m sq.m S-TOTAL-E E TAX + 15 OTAL-E of Unit Co:	52.00 52.00 18.00 60.00 71.00 + 5% 5500.00 5500.00 12000.00 40.00 40.00 40.00	8126.98 16255.20 37620.00 244860.00 289751.00 676433.18 2413851.20 120692.56 2534543.76  62843.46 48628.87 41616.38 14400.00 167488.71  34050.00 163240.00 30000.00 390530.00 58579.50 449109.50

	BON	101 317	ANDARD FLAT SHAPED S	IIADE				
FLAT	TOP NET HEIGHT ABOVE GROUND L	LEVEL 4 m	GRID SIZE: 6m X 4m		TOT	AL AREA :	483	sq.m
S.No		Qty Unit			Unit			
1	GABLE LENGTH	6 m	NET GABLE LENGTH					
2	SHADE SPAN WIDTH	4 m	NET SHADE SPAN WIDTH	16		STAN	DARD FLAT	SHAPED
3	No.OF GABLES No.OF SHADE SPANS	3 No 4 No	NET CULTIVABLE AREA GROSS GABLE LENGTH	288	sq.m m	SH	ADE NET H	OUSE
5	BALCONY ON FOUR SIDES	2.5 m	GROSS SHADE SPAN WIDTH	21		1		
6	Height of NET HOUSE	4 m	GROSS SHADE AREA		sq.m			
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS							
1	Foundations for Balcony pipes		OD: 48mm/3mm/1.2m	18	75.6	kg	65.00	4914.00
	Foundations for Outer Columns	s	OD: 48mm/3mm/1m	14	49.0	1 -	65.00	3185.00
3	Foundations for Inner Columns	ï	OD: 48mm/3mm/0.75m	6	15.8	-	65.00	1023.75
$\vdash$	Main (All) Columns		OD: 60mm/2mm/4m	20	240.0	1 -	65.00	15600.00
-	Truss Pipe (Along the gable)		OD: 48mm/2mm/6m	15	211.5		65.00	13747.50
	Purlin Pipe (Across the gable)		OD: 48mm/2mm/4m	16	150.4		65.00	9776.00
-	Corridor/Balcony Pipe		OD: 60mm/2mm/4.8m	18	259.2		65.00	16848.00
	Horizontal Member in Corridor		OD: 33mm/2mm/1.2m	18	34.6	1 -	65.00	2246.40
	Knee bracing at all columns		OD: 33mm/2mm/1.2m	40	76.8		65.00	4992.00
_	HUMAN ENTRY		Double Door System	1		set	15000.00	15000.00
	CLAMPS, COUPLERS AND ALL HARD	WARE	2.5mm thick/300 GSM	LS		1	20.00	9660.00
	-, 0 10 / 110 ALL HAND		2.5mm unchy 300 G3IVI		LS 483 sq.m 20.00 SUB-TOTAL-A			96992.65
				EXCISE DUTY = 12.5%				12124.08
				TOTAL-A				12124.08 109116.73
В	CLADDING MATERIALS		<u> </u>	<u> </u>	ı	JIAL-A		103110./3
	SHADE NET - MONOFILAMENT		115 GSM/ WHITE/CDEEN/DLACK CO.	352.8	352.8	sa m	36.00	12700.80
	INSECT PROOF NET ON SIDES		115 GSM/ WHITE/GREEN/BLACK COLO	630			40.00	
		d Lavar'	105 GSM/ WHITE COLOR/6.0m			sq.m	1	25200.00
3	Shade net (Tape Type as Secon	u Layer)	35%/50%-90GSM-WHITE/GREEN/BLACK	352.8	352.8	l	25.00	8820.00
<u> </u>	OTHER MATERIALS				1	TOTAL-B		46720.80
	OTHER MATERIALS		O Comma +1:-1 /400 100	30-	200	l <sub>m</sub>	45.5-	44070.55
	GALVALUME PROFILE		0.6mm thick/100-120GSM	266	266		45.00	11970.00
	Zig-zag Spring Insert		2.5mm OD GI/PP COATED	<b></b>	532		10.00	5320.00
	GI WIRE FOR SHADE NET		2.5mm OD/ 50-70 GSM	<b></b>	14.3	1	52.00	741.31
	Manual retraction with pulleys		AS PER SPECIFICATIONS		483.0	<u> </u>	10.00	4830.00
	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM	<b></b>	28.5		52.00	1482.62
	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19	<del>                                     </del>	220		18.00	3960.00
7	Drip Irrigation System		AS PER SPECIFICATIONS			sq.m	35.00	16905.00
						TOTAL-C		45208.94
	TOTAL STRUCTURAL MATER	IAL COST				AL- (A+B+C	-	201046.47
						X(CST/VAT)	) = 5%	10052.32
	_				ТО	TAL-(ABC)		211098.79
D	FOUNDATION MATERI	ALS				·	•	
	Foundations for corridors		B300 GRADE CC:15" X 5'	18		cu meter	5500.00	16833.07
	Foundations for Outer column		B300 GRADE CC:15" X 4'	14		cu meter	5500.00	10473.91
3	Foundations for Inner columns	5	B300 GRADE CC:12" X 3'	6		cu meter	5500.00	2098.31
igsqcut					1	TOTAL-D		29405.28
E	LABOR COST							
1	Foundation		5'/4'/3' depth x 15" & 12"			Nos	150.00	5700.00
2	FABRICATION CHARGES		As per design requirement		483	sq.m	50.00	24150.00
3	INSTALLATION CHARGES		As per design requirement		483	sq.m	50.00	24150.00
4	TRANSPORTATION CHARGES							10000.00
					SUI	B-TOTAL-E		64000.00
						CE TAX = 1		9600.00
					1	TOTAL-E		73600.00
F	INSURANCE	Standar	d fire and special perils policy		0.25%	6 of Unit Co	ost	785.26
						AND TOTAL		314889.33
						T PER SQ.N		651.94
						ost Limited		652.00
THE FOL	LOWING COMPONENTS ARE ALLOWED	AS SUBSTITUT	TES BASED ON THEIR PHYSICAL INSTALLATION	ON IN THE				332.00
1	INSECT PROOF NET ON TOP		105 GSM/ WHITE COLOR/4.2m		352.8		40.00	14112.00
NOTE:	In any instance, the substitutes are		d Ds 2FF/ norse m		_			

NOTE: In any instance, the subsidy component cannot exceed Rs.355/- per sq.m

EI AT			CDID SIZE: 6m V 4m				4045	
	TOP NET HEIGHT ABOVE GROUND	LEVEL 4 M	GRID SIZE: 6m X 4m		1017	AL AREA :	1015	sq.m
S.No	Description	Qty Unit	Description	Qty	Unit			
2	GABLE LENGTH SHADE SPAN WIDTH		NET GABLE LENGTH NET SHADE SPAN WIDTH	30 24		STAN	DARD FLAT	SHADED
3	No.OF GABLES	5 No	NET CULTIVABLE AREA		sq.m	_		_
4	No.OF SHADE SPANS		GROSS GABLE LENGTH	35		SH	ADE NET H	IOOSE
5 6	BALCONY ON FOUR SIDES Height of NET HOUSE		GROSS SHADE SPAN WIDTH GROSS SHADE AREA	29 1015				
S.No	Description	7	Specification	Nos	Qty	Unit	Rate	Amount
	STRUCTURAL MATERIALS		эрсенецион	1403	Qty	Oilit	nate	Amount
A	STRUCTURAL MATERIALS		I	T		I	Г	
1	Foundations for Balcony pipes		OD: 48mm/3mm/1.2m	26	109.2		65.00	7098.00
2	Foundations for Outer Column	ns	OD: 48mm/3mm/1m	22	77.0	kg	65.00	5005.00
3	Foundations for Inner Columns	S	OD: 48mm/3mm/0.75m	20	52.5	kg	65.00	3412.50
	Main (All) Columns		OD: 60mm/2mm/4m	42	504.0		65.00	32760.00
	Truss Pipe (Along the gable)		OD: 48mm/2mm/6m	35	493.5		65.00	32077.50
	Purlin Pipe (Across the gable)		OD: 48mm/2mm/4m	36	338.4		65.00	21996.00
7	Corridor/Balcony Pipe		OD: 60mm/2mm/4.8m	26	374.4		65.00	24336.00
8	Horizontal Member in Corrido	r	OD: 33mm/2mm/1.2m	26	49.9	- T	65.00	3244.80
	Knee bracing at all columns		OD: 33mm/2mm/1.2m	84	161.3	kg	65.00	10483.20
-	HUMAN ENTRY		Double Door System	1		set	15000.00	15000.00
11	CLAMPS, COUPLERS AND ALL HARD	WARE	2.5mm thick/300 GSM	LS	1015		20.00	20300.00
					SU	B-TOTAL-A		175713.00
						DUTY = 12	.5%	21964.13
					٦	TOTAL-A		197677.13
В	CLADDING MATERIALS		T	1		1	ı	
	SHADE NET - MONOFILAMENT		115 GSM/ WHITE/GREEN/BLACK COLC		846.72	_	36.00	30481.92
-	INSECT PROOF NET ON SIDES		105 GSM/ WHITE COLOR/6.0m	882		sq.m	40.00	35280.00
3	Shade net (Tape Type as Secor	nd Layer)	35%/50%-90GSM-WHITE/GREEN/BLACK	846.72	846.72	sq.m	25.00	21168.00
					7	TOTAL-B		86929.92
С	OTHER MATERIALS		T	,		1	T	
1	GALVALUME PROFILE		0.6mm thick/100-120GSM	406	406	m	45.00	18270.00
	Zig-zag Spring Insert		2.5mm OD GI/PP COATED		812		10.00	8120.00
	GI WIRE FOR SHADE NET		2.5mm OD/ 50-70 GSM		34.3	kg	52.00	1784.64
	Manual retraction with pulleys	5	AS PER SPECIFICATIONS		1015.0	sq.m	10.00	10150.00
	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM		68.6		52.00	3569.28
6	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		492.8	m	18.00	8870.40
7	Drip Irrigation System		AS PER SPECIFICATIONS		1015		35.00	35525.00
						TOTAL-C		86289.32
	TOTAL STRUCTURAL MATER	RIAL COST				AL- (A+B+C	,	370896.37
						X(CST/VAT	) = 5%	18544.82
					ТО	TAL-(ABC)		389441.18
D	FOUNDATION MATER	IALS		1		T	т т	
-	Foundations for corridors		B300 GRADE CC:15" X 5'	26		cu meter	5500.00	24314.43
-	Foundations for Outer column		B300 GRADE CC:15" X 4'	22		cu meter	5500.00	16459.00
3	Foundations for Inner column	IS	B300 GRADE CC:12" X 3'	20		cu meter	5500.00	6994.35
				<u> </u>	7	OTAL-D		47767.78
E	LABOR COST							
1	Foundation		5'/4'/3' depth x 15" & 12"			Nos	150.00	10200.00
	FABRICATION CHARGES		As per design requirement			sq.m	50.00	50750.00
3	INSTALLATION CHARGES		As per design requirement		1015	sq.m	50.00	50750.00
4	TRANSPORTATION CHARGES			1				15000.00
				ļ		B-TOTAL-E		126700.00
				-		CE TAX = 1	5%	19005.00
			1.0			TOTAL-E		145705.00
F	INSURANCE	Standa	rd fire and special perils policy	-		6 of Unit Co		1457.28
						AND TOTAL		584371.25
				<u> </u>		T PER SQ.N		575.74
						ost Limited		575.00
THE FOI		AS SUBSTITU	TES BASED ON THEIR PHYSICAL INSTALLATI	ON INTHE			ONAL SUBSIDY 40.00	22060 00
	INSECT PROOF NET ON TOP	<u> </u>	105 GSM/ WHITE COLOR/4.2m	<u> </u>	846.72	Jay.III	40.00	33868.80

NOTE: In any instance, the subsidy component cannot exceed Rs.355/- per sq.m

		0. 0.7	HINDARD FLAT SHAPED S				1	1
FLAT	TOP NET HEIGHT ABOVE GROUND	LEVEL 4 m	GRID SIZE: 6m X 4m		тот	AL AREA:	2115	sq.m
S.No	Description	Qty Unit	Description	Qty	Unit		I	
1	GABLE LENGTH	6 m	NET GABLE LENGTH	42	m			
2	SHADE SPAN WIDTH		NET SHADE SPAN WIDTH	40		STANDA	RD FLAT SHA	PED SHADE
3	No.OF GABLES No.OF SHADE SPANS	7 No 10 No	NET CULTIVABLE AREA GROSS GABLE LENGTH	1680 47			<b>NET HOUS</b>	E
5	BALCONY ON FOUR SIDES	2.5 m	GROSS SHADE SPAN WIDTH	45				
6	Height of NET HOUSE	4 m	GROSS SHADE AREA	2115	sq.m			
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS							
1	Foundations for Balcony pipes		OD: 48mm/3mm/1.2m	38	159.6	kσ	65.00	10374.00
2	Foundations for Outer Column		OD: 48mm/3mm/1m	34	119.0		65.00	7735.00
3	Foundations for Inner Column		OD: 48mm/3mm/0.75m	54	141.8		65.00	9213.75
4	Main (All) Columns	<u> </u>	OD: 60mm/2mm/4m	88	1056.0		65.00	68640.00
5	Truss Pipe (Along the gable)		OD: 48mm/2mm/6m	77	1085.7		65.00	70570.50
6	Purlin Pipe (Across the gable)		OD: 48mm/2mm/4m	80	752.0		65.00	48880.00
7	Corridor/Balcony Pipe		OD: 60mm/2mm/4.8m	38	547.2		65.00	35568.00
8	Horizontal Member in Corrido	r	OD: 33mm/2mm/1.2m	38	73.0		65.00	4742.40
9	Knee bracing at all columns		OD: 33mm/2mm/1.2m	176	337.9		65.00	21964.80
	HUMAN ENTRY		Double Door System	1		set	15000.00	15000.00
11	TRACTOR ENTRY		AS PER SPECIFICATIONS	1		set	11000.00	11000.00
12	CLAMPS, COUPLERS AND ALL HARD	WARE	2.5mm thick/300 GSM	LS	2115		20.00	42300.00
			,			B-TOTAL-A		345988.45
						DUTY = 12	.5%	43248.56
						TOTAL-A		389237.01
В	CLADDING MATERIALS			l .			•	
1	SHADE NET - MONOFILAMENT	-	115 GSM/ WHITE/GREEN/BLACK COLO	1940.4	1940.4	sq.m	36.00	69854.40
2	INSECT PROOF NET ON SIDES		105 GSM/ WHITE COLOR/6.0m	1234.8	1234.8		40.00	49392.00
3	Shade net (Tape Type as Seco	nd Layer)	35%/50%-90GSM-WHITE/GREEN/BLACK	1940.4	1940.4	sq.m	25.00	48510.00
		· ·	1			OTAL-B	167756.40	
С	OTHER MATERIALS							
1	GALVALUME PROFILE		0.6mm thick/100-120GSM	698	698	m	45.00	31410.00
2	Zig-zag Spring Insert		2.5mm OD GI/PP COATED		1396		10.00	13960.00
3	GI WIRE FOR SHADE NET		2.5mm OD/ 50-70 GSM		77.6		52.00	4036.03
4	Manual retraction with pulleys	5	AS PER SPECIFICATIONS		2115.0	sq.m	10.00	21150.00
5	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM		155.2		52.00	8072.06
6	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		1064.8		18.00	19166.40
7	Drip Irrigation System		AS PER SPECIFICATIONS		2115	sq.m	35.00	74025.00
						TOTAL-C		171819.50
	TOTAL STRUCTURAL MATE	RIAL COST			TOT	AL- (A+B+C	)	728812.90
				:	SALES TA	X(CST/VAT)	) = 5%	36440.65
						TAL-(ABC)		765253.55
D	FOUNDATION MATER	IALS						
1	Foundations for corridors		B300 GRADE CC:15" X 5'	38	6.46	cu meter	5500.00	35536.48
2	Foundations for Outer column	ns	B300 GRADE CC:15" X 4'	34	4.62	cu meter	5500.00	25436.64
3	Foundations for Inner column	ıs	B300 GRADE CC:12" X 3'	54	3.43	cu meter	5500.00	18884.75
					1	OTAL-D		79857.86
E	LABOR COST							
1	Foundation		5'/4'/3' depth x 15" & 12"		126	Nos	150.00	18900.00
2	FABRICATION CHARGES		As per design requirement		2115	sq.m	40.00	84600.00
3	INSTALLATION CHARGES		As per design requirement		2115	sq.m	40.00	84600.00
4	TRANSPORTATION CHARGES							20000.00
					SU	B-TOTAL-E		208100.00
					SERVI	CE TAX = 1	5%	31215.00
					٦	TOTAL-E		239315.00
F	INSURANCE	Standar	d fire and special perils policy			6 of Unit Co		2711.07
					GRA	AND TOTAL		1087137.47
					cos	T PER SQ.N	1	514.01
						ost Limited		514.00
		AS SUBSTITUT	TES BASED ON THEIR PHYSICAL INSTALLATI	ON IN THE				
	INSECT PROOF NET ON TOP		105 GSM/ WHITE COLOR/4.2m		1940.4		40.00	77616.00
2 NOTE:	Semi-automatic Shade net retractic In any instance, the subsidy componer	<u>,                                      </u>	AS PER SPECIFICATIONS		2115	sq.m	80.00	169200.00

2 | Semi-automatic Shade net retraction system | A3 PEN SELLIN NOTE: In any instance, the subsidy component cannot exceed Rs.355/- per sq.m

F:		ANDARD FLAT SHAPED S	HADE				
	TOP NET HEIGHT ABOVE GROUND LEVEL 4 m	GRID SIZE: 6m X 4m			AL AREA :	3021	sq.m
S.No	Description Qty Unit	Description	Qty	Unit			
2	GABLE LENGTH 6 m SHADE SPAN WIDTH 4 m	NET GABLE LENGTH NET SHADE SPAN WIDTH	48 52		STANDA	RD FLAT SHA	PFD SHADE
3	No.OF GABLES 8 No	NET CULTIVABLE AREA	2496	sq.m		NET HOUS	
<u>4</u> 5	No.OF SHADE SPANS 13 No BALCONY ON FOUR SIDES 2.5 m	GROSS GABLE LENGTH GROSS SHADE SPAN WIDTH	53 57		-	1421 11003	-
6	Height of NET HOUSE 4 m	GROSS SHADE AREA	3021				
S.No	Description	Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS	-	·	-	•	<u>'</u>	
1	Foundations for Balcony pipes	OD: 48mm/3mm/1.2m	46	193.2	kg	65.00	12558.00
2	Foundations for Outer Columns	OD: 48mm/3mm/1m	42	147.0	_	65.00	9555.00
3	Foundations for Inner Columns	OD: 48mm/3mm/0.75m	84	220.5		65.00	14332.50
4	Main (All) Columns	OD: 60mm/2mm/4m	126	1512.0	kg	65.00	98280.00
5	Truss Pipe (Along the gable)	OD: 48mm/2mm/6m	112	1579.2	kg	65.00	102648.00
6	Purlin Pipe (Across the gable)	OD: 48mm/2mm/4m	117	1099.8	kg	65.00	71487.00
7	Corridor/Balcony Pipe	OD: 60mm/2mm/4.8m	46	662.4	kg	65.00	43056.00
8	Horizontal Member in Corridor	OD: 33mm/2mm/1.2m	46	88.3	kg	65.00	5740.80
9	Knee bracing at all columns	OD: 33mm/2mm/1.2m	252	483.8	kg	65.00	31449.60
10	HUMAN ENTRY	Double Door System	1		set	15000.00	15000.00
11	TRACTOR ENTRY	AS PER SPECIFICATIONS	1		set	11000.00	11000.00
12	CLAMPS, COUPLERS AND ALL HARDWARE	2.5mm thick/300 GSM	LS		sq.m	20.00	60420.00
			SUB-TOTAL-A EXCISE DUTY = 12.5%				475526.90
							59440.86
В	CLADDING MATERIALS		TOTAL-A				534967.76
1	SHADE NET - MONOFILAMENT	11E CSM/ WHITE/CDEEN/DLACK COLO	2866.5	2866.5	sa m	36.00	103194.00
2	INSECT PROOF NET ON SIDES	115 GSM/ WHITE/GREEN/BLACK COLO 105 GSM/ WHITE COLOR/6.0m	1461.6		<del>  '</del>	40.00	58464.00
	Shade net (Tape Type as Second Layer)	35%/50%-90GSM-WHITE/GREEN/BLACK	2866.5	2866.5	<del>  '</del>	25.00	71662.50
	Shade het (rape Type as Second Layer)	5570/5070 5003M WITTEY GREEN, BETTER	2000.5		TOTAL-B	25.00	233320.50
С	OTHER MATERIALS				IOIAL-B		233320.30
1	GALVALUME PROFILE	0.6mm thick/100-120GSM	938	938	lm	45.00	42210.00
2	Zig-zag Spring Insert	2.5mm OD GI/PP COATED	230	1876		10.00	18760.00
3	GI WIRE FOR SHADE NET	2.5mm OD/ 50-70 GSM		114.0		52.00	5930.50
4	Manual retraction with pulleys	AS PER SPECIFICATIONS		3021.0		10.00	30210.00
5	GI WIRE FOR TRELLISING	2.5mm OD/ 50-70 GSM		228.1	-	52.00	11860.99
6	GI Wire Rope For Trellising	4.0mm OD/ 1 X 19 or 7 x 19		1540		18.00	27720.00
	Drip Irrigation System	AS PER SPECIFICATIONS			sq.m	35.00	105735.00
					TOTAL-C		242426.49
	TOTAL STRUCTURAL MATERIAL COST			TOT	AL- (A+B+C	c)	1010714.75
					X(CST/VAT	) = 5%	50535.74
				TO	TAL-(ABC)		1061250.49
D	FOUNDATION MATERIALS				ı	<u> </u>	
1	Foundations for corridors	B300 GRADE CC:15" X 5'	46		cu meter	5500.00	43017.84
	Foundations for Outer columns	B300 GRADE CC:15" X 4'	42		cu meter	5500.00	31421.73
3	Foundations for Inner columns	B300 GRADE CC:12" X 3'	84		cu meter	5500.00	29376.27
	LABOR COST				OTAL-D		103815.84
<b>E</b>	Foundation	5'/4'/3' depth x 15" & 12"		172	Nos	150.00	25800.00
2	FABRICATION CHARGES	As per design requirement			sq.m	40.00	120840.00
3	INSTALLATION CHARGES	As per design requirement			sq.m	40.00	120840.00
4	TRANSPORTATION CHARGES	per design requirement	<u> </u>	3021	124	70.00	25000.00
	The state of the s			SU	B-TOTAL-E		292480.00
					CE TAX = 1		43872.00
					TOTAL-E		336352.00
F	INSURANCE Standa	rd fire and special perils policy		0.25%	6 of Unit Co	ost	3753.55
	GRAND TOTAL					1505171.88	
				cos	T PER SQ.N	Л	498.24
					ost Limited		498.00
	LOWING COMPONENTS ARE ALLOWED AS SUBSTITU		ON IN THE				44.4000 00
2	INSECT PROOF NET ON TOP  Semi-automatic Shade net retraction system	105 GSM/ WHITE COLOR/4.2m AS PER SPECIFICATIONS		2866.5	sq.m	40.00 70.00	114660.00 211470.00
	isenii-automaut shade net retraction system	IAS PER SPECIFICATIONS	1	- 3071	ISOLOD	. /0.001	/ I I / L / I ) I

2 Semi-automatic Shade net retraction system POS : En any instance, the subsidy component cannot exceed Rs.355/- per sq.m 2 Semi-automatic Shade net retraction system AS PER SPECIFICATIONS 3021 sq.m 70.00 211470.00

	ВОП	WOF SI	ANDARD FLAT SHAPED S	HADE				
FLAT	TOP NET HEIGHT ABOVE GROUND	LEVEL 4 m	GRID SIZE: 6m X 4m		TOT	AL AREA :	4081	sq.m
S.No	Description	Qty Unit	Description	Qty	Unit			
1	GABLE LENGTH	6 m	NET GABLE LENGTH					
3	SHADE SPAN WIDTH No.OF GABLES	4 m 8 No	NET SHADE SPAN WIDTH NET CULTIVABLE AREA	_	sq.m	STANDA	RD FLAT SHA	APED SHADE
4	No.OF SHADE SPANS		GROSS GABLE LENGTH		•	ł	NET HOUS	SE .
5	BALCONY ON FOUR SIDES		GROSS SHADE SPAN WIDTH	1 77	m			
6	Height of NET HOUSE	4 m	GROSS SHADE AREA	4081	sq.m		1	
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS							
1	Foundations for Balcony pipes		OD: 48mm/3mm/1.2m	56	235.2	kσ	65.00	15288.00
2	Foundations for Outer Column		OD: 48mm/3mm/1m	52	182.0	<del>                                     </del>	65.00	11830.00
3	Foundations for Inner Column		OD: 48mm/3mm/0.75m	119	312.4	-	65.00	20304.38
	Main (All) Columns	<u> </u>	OD: 60mm/2mm/4m	171	2052.0	<del>                                     </del>	65.00	133380.00
5	Truss Pipe (Along the gable)		OD: 48mm/2mm/6m	152	2143.2	<u> </u>	65.00	139308.00
6	Purlin Pipe (Across the gable)		OD: 48mm/2mm/4m	162	1522.8	<u> </u>	65.00	98982.00
7	Corridor/Balcony Pipe		OD: 60mm/2mm/4.8m	56	806.4	<del>                                     </del>	65.00	52416.00
8	Horizontal Member in Corrido	r	OD: 33mm/2mm/1.2m	56	107.5	<u> </u>	65.00	6988.80
9		1	OD: 33mm/2mm/1.2m	342	656.6	<del>                                     </del>	65.00	42681.60
10	Knee bracing at all columns HUMAN ENTRY		Double Door System	342		set	15000.00	15000.00
11	TRACTOR ENTRY		AS PER SPECIFICATIONS	1		set	1	11000.00
12	CLAMPS, COUPLERS AND ALL HARD	)W/ΔRF		LS		sq.m	11000.00	81620.00
12	CLAWIT 3, COUFLERS AND ALL HARD	VVVIIL	2.5mm thick/300 GSM	LS	•	•	20.00	
<u> </u>				1		B-TOTAL-A	628798.78	
				-		DUTY = 12	.5%	78599.85
В	CLADDING MATERIALS					TOTAL-A	707398.62	
		<u> </u>		2000	2000	1	26.00	442004.00
1	SHADE NET - MONOFILAMENT INSECT PROOF NET ON SIDES		115 GSM/ WHITE/GREEN/BLACK COLO			sq.m	36.00	142884.00
			105 GSM/ WHITE COLOR/6.0m	1713.6	1713.6	sq.m	40.00	68544.00
3	Shade net (Tape Type as Secor	nd Layer)	35%/50%-90GSM-WHITE/GREEN/BLACK	3969	3969	sq.m	25.00	99225.00
						TOTAL-B		310653.00
С	OTHER MATERIALS							
1	GALVALUME PROFILE		0.6mm thick/100-120GSM	1228	1228	m	45.00	55260.00
2	Zig-zag Spring Insert		2.5mm OD GI/PP COATED		2456	m	10.00	24560.00
3	GI WIRE FOR SHADE NET		2.5mm OD/ 50-70 GSM		156.3	kg	52.00	8126.98
4	Manual retraction with pulleys	S	AS PER SPECIFICATIONS		4081.0	sq.m	10.00	40810.00
5	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM		312.6	kg	52.00	16253.95
6	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		2090	m	18.00	37620.00
7	Drip Irrigation System		AS PER SPECIFICATIONS		4081	sq.m	35.00	142835.00
					-	TOTAL-C		325465.93
	TOTAL STRUCTURAL MATER	RIAL COST			TOT	AL- (A+B+C	<b>(</b> )	1343517.55
					SALES TA	X(CST/VAT	) = 5%	67175.88
					то	TAL-(ABC)		1410693.43
D	FOUNDATION MATER	IALS						
1	Foundations for corridors		B300 GRADE CC:15" X 5'	56	9.52	cu meter	5500.00	52369.55
2	Foundations for Outer column	าร	B300 GRADE CC:15" X 4'	52	7.07	cu meter	5500.00	38903.09
3	Foundations for Inner column	ıs	B300 GRADE CC:12" X 3'	119	7.57	cu meter	5500.00	41616.38
				L		OTAL-D		132889.02
Е	LABOR COST							
1	Foundation		5'/4'/3' depth x 15" & 12"		227	Nos	150.00	34050.00
2	FABRICATION CHARGES		As per design requirement			sq.m	40.00	163240.00
	INSTALLATION CHARGES		As per design requirement			sq.m	40.00	163240.00
	TRANSPORTATION CHARGES			•				30000.00
	1 - 1				SU	B-TOTAL-E		390530.00
				1		CE TAX = 1		58579.50
				1		TOTAL-E		449109.50
F	INSURANCE	Standa	rd fire and special perils policy	†		6 of Unit Co	ost	4981.73
	<del>-</del>			1		AND TOTAL		1997673.68
						T PER SQ.N		489.51
				1		ost Limited	<u> </u>	490.00
THE FO	LOWING COMPONENTS ARE ALLOWED	O AS SUBSTITE	ITES BASED ON THEIR PHYSICAL INSTALLAT	ION IN THE				430.00
1	INSECT PROOF NET ON TOP		105 GSM/ WHITE COLOR/4.2m	1		sq.m	40.00	158760.00
2	Semi-automatic Shade net retraction	n system	AS PER SPECIFICATIONS			sq.m	60.00	244860.00
NOTE:	In any instance, the subsidy componer	at cannot avea	-d D- 255 /	•				

2 Semi-automatic Shade net retraction system AS PER SPECIFICATIONS

NOTE: In any instance, the subsidy component cannot exceed Rs.355/- per sq.m

FLAT	TOP NET HEIGHT ABOVE GROUND	LEVEL 4 m	GRID SIZE: 6m X 4m		TOT	AL AREA :	483	sq.m		
S.No		Qty Unit	Description	,	Unit					
1	GABLE LENGTH	6 m	NET GABLE LENGTH	18			.D.A.D.D. C.L.	DE NET		
3	SHADE SPAN WIDTH No.OF GABLES	4 m 3 No	NET SHADE SPAN WIDTH NET CULTIVABLE AREA	16	sq.m		IDARD SHA			
4	No.OF SHADE SPANS	4 No	GROSS GABLE LENGTH	23	_	HOU	SE WITH AL	.UMINET		
5	BALCONY ON FOUR SIDES	2.5 m	GROSS SHADE SPAN WIDTH	21						
6	Height of NET HOUSE	4 m	GROSS SHADE AREA		sq.m		I _	_		
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount		
Α	STRUCTURAL MATERIALS			1			ı			
1	Foundations for Balcony pipes		OD: 48mm/3mm/1.2m	18	75.6	kg	65.00	4914.00		
2	Foundations for Outer Column	ıs	OD: 48mm/3mm/1m	14	49.0	kg	65.00	3185.00		
3	Foundations for Inner Columns	S	OD: 48mm/3mm/0.75m	6	15.8	kg	65.00	1023.75		
4	Main (All) Columns		OD: 60mm/2mm/4m	20	240.0	kg	65.00	15600.00		
5	Truss Pipe (Along the gable)		OD: 48mm/2mm/6m	15	211.5		65.00	13747.50		
6	Purlin Pipe (Across the gable)		OD: 48mm/2mm/4m	16	150.4	kg	65.00	9776.00		
7	Corridor/Balcony Pipe		OD: 60mm/2mm/4.8m	18	259.2	kg	65.00	16848.00		
8	Horizontal Member in Corrido	r	OD: 33mm/2mm/1.2m	18	34.6	1	65.00	2246.40		
9	Knee bracing at all columns		OD: 33mm/2mm/1.2m	40	76.8	kg	65.00	4992.00		
10	HUMAN ENTRY		Double Door System	1	1	set	20000.00	20000.00		
11	CLAMPS, COUPLERS AND ALL HARD	WARE	2.5mm thick/300 GSM	LS	483	sq.m	20.00	9660.00		
						B-TOTAL-A		101992.65		
					EXCISE	DUTY = 12	.5%	12749.08		
		TOTAL-A								
В	CLADDING MATERIALS									
1	OPTINET OR EQUIVALENT ON	TOP	OPTINET: 40MESH 120 GSM/ WHITE C	352.8	352.8	sq.m	70.00	24696.00		
2	OPTINET OR EQUIVALENT ON S	SIDES	OPTINET: 40MESH 120 GSM/ WHITE C	630	630	sq.m	70.00	44100.00		
3	ALUMINET OR EQUIVALENT AS SECOND LAYER		ALUMINET- 50% SHADE : 80GSM	352.8	352.8	sq.m	80.00	28224.00		
						TOTAL-B				
С	OTHER MATERIALS									
1	GALVALUME PROFILE		0.6mm thick/100-120GSM	266	266	m	45.00	11970.00		
2	Zig-zag Spring Insert		2.5mm OD GI/PP COATED		532	m	10.00	5320.00		
3	GI WIRE FOR SHADE NET		2.5mm OD/ 50-70 GSM		14.3	kg	52.00	741.31		
4	Manual retraction with pulleys	<u> </u>	AS PER SPECIFICATIONS		483.0	sq.m	10.00	4830.00		
5	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM		28.5	kg	52.00	1482.62		
6	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		220		18.00	3960.00		
	Drip Irrigation System including Fog	gers	AS PER SPECIFICATIONS		483	sq.m	71.00	34293.00		
						TOTAL-C		62596.94		
	TOTAL STRUCTURAL MATER	RIAL COST			TOT	AL- (A+B+C	<u> </u>	274358.67		
					SALES TA	X(CST/VAT	) = 5%	13717.93		
					то	TAL-(ABC)		288076.60		
D	FOUNDATION MATER	IALS		,			T			
	Foundations for corridors		B300 GRADE CC:15" X 5'	18		cu meter	5500.00	16833.07		
	Foundations for Outer column		B300 GRADE CC:15" X 4'	14		cu meter	5500.00	10473.91		
-	Foundations for Inner column		B300 GRADE CC:12" X 3'	6		cu meter	5500.00	2098.31		
4	Flooring inside Double Door E	ntry	Brick work + CC - 3m x 4m x 0.1m	12		cu meter	12000.00	14400.00		
				ļ	٦	TOTAL-D	<u> </u>	43805.28		
E	LABOR COST					-				
	Foundation		5'/4'/3' depth x 15" & 12"			Nos	150.00	5700.00		
-	FABRICATION CHARGES		As per design requirement			sq.m	50.00	24150.00		
	INSTALLATION CHARGES		As per design requirement		483	sq.m	50.00	24150.00		
4	TRANSPORTATION CHARGES			1				10000.00		
				ļ		B-TOTAL-E		64000.00		
				ļ		CE TAX = 1	5%	9600.00		
						TOTAL-E		73600.00		
F	INSURANCE	Standar	d fire and special perils policy			6 of Unit Co		1013.70		
				<u> </u>		AND TOTAL		406495.59		
<u> </u>				<u> </u>		T PER SQ.N		841.61		
					Unit Cos	st Limited t	o Rs.	710.00		

FLAT	TOP NET HEIGHT ABOVE GROUND	LEVEL 4 m	GRID SIZE: 6m X 4m		тот	AL AREA :	1015	sq.m
S.No	Description	Qty Unit	Description	Qty	Unit	T		<u> </u>
1	GABLE LENGTH	6 m	NET GABLE LENGTH	30	m	]		
2	SHADE SPAN WIDTH No.OF GABLES		NET SHADE SPAN WIDTH NET CULTIVABLE AREA		m sq.m	STANDA	ARD SHADE	<b>NET HOUSE</b>
4	No.OF GABLES No.OF SHADE SPANS		GROSS GABLE LENGTH		_	,	WITH ALUM	INET
5	BALCONY ON FOUR SIDES	2.5 m	GROSS SHADE SPAN WIDTH	29	m	1		
6	Height of NET HOUSE	4 m	GROSS SHADE AREA					
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS			<del> </del>		1		
1	Foundations for Balcony pipes		OD: 48mm/3mm/1.2m	26	109.2	kg	65.00	7098.00
2	Foundations for Outer Column	ıs	OD: 48mm/3mm/1m	22	77.0	kg	65.00	5005.00
3	Foundations for Inner Columns	S	OD: 48mm/3mm/0.75m	20	52.5	kg	65.00	3412.50
4	Main (All) Columns		OD: 60mm/2mm/4m	42	504.0	kg	65.00	32760.00
	Truss Pipe (Along the gable)		OD: 48mm/2mm/6m	35	493.5	kg	65.00	32077.50
	Purlin Pipe (Across the gable)		OD: 48mm/2mm/4m	36	338.4	1	65.00	21996.00
-	Corridor/Balcony Pipe		OD: 60mm/2mm/4.8m	26	374.4		65.00	24336.00
-	Horizontal Member in Corrido		OD: 33mm/2mm/1.2m	26	49.9		65.00	3244.80
$\vdash$	Knee bracing at all columns		OD: 33mm/2mm/1.2m	84	161.3		65.00	10483.20
H	HUMAN ENTRY		Double Door System	1		set	20000.00	20000.00
11	CLAMPS, COUPLERS AND ALL HARD	WARE	2.5mm thick/300 GSM	LS		sq.m	20.00	20300.00
				<u> </u>		B-TOTAL-A		180713.00
				<del>                                     </del>		DUTY = 12	5%	22589.13
В	CLADDING MATERIALS				1	TOTAL-A		203302.13
<b>—</b>	OPTINET OR EQUIVALENT ON T	TOP	OPTINET: 40MESH 120 GSM/ WHITE C	846 72	846.72	sa m	70.00	59270.40
<b>—</b>	OPTINET OR EQUIVALENT ON S		OPTINET: 40MESH 120 GSM/ WHITE C	1		sq.m	70.00	61740.00
H	ALUMINET OR EQUIVALENT ON S		ALUMINET: 40MESH 120 GSM/ WHITE C	846.72	846.72		80.00	67737.60
			TOTAL SON STINDE . BUUSIVI	U-1U./2		rotal-B		
С	OTHER MATERIALS			<u> </u>		. J.ALD		188748.00
$\vdash$	GALVALUME PROFILE		0.6mm thick/100-120GSM	406	406	m	45.00	18270.00
-	Zig-zag Spring Insert		2.5mm OD GI/PP COATED	.55	812	1	10.00	8120.00
1	GI WIRE FOR SHADE NET		2.5mm OD/ 50-70 GSM		34.3	1	52.00	1784.64
4	Manual retraction with pulleys		AS PER SPECIFICATIONS		1015.0		10.00	10150.00
	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM		68.6		52.00	3569.28
6	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		492.8		18.00	
7	Drip Irrigation System including Fog	gers	AS PER SPECIFICATIONS		1015	sq.m	71.00	72065.00
						TOTAL-C		122829.32
	TOTAL STRUCTURAL MATER	RIAL COST		<u> </u>		AL- (A+B+C		514879.45
						X(CST/VAT		25743.97
					то	TAL-(ABC)		540623.42
D	FOUNDATION MATERI	IALS	P200 02 1 = 1 5 2 1 2 2	<u> </u>	1	1		
	Foundations for corridors		B300 GRADE CC:15" X 5'	26		cu meter	5500.00	24314.43
-	Foundations for Outer column		B300 GRADE CC:15" X 4'	22		cu meter	5500.00	16459.00
-	Foundations for Inner column		B300 GRADE CC:12" X 3'	20		cu meter	5500.00	6994.35
4	Flooring inside Double Door E	пцгу	Brick work + CC - 3m x 4m x 0.1m	12		cu meter	12000.00	14400.00
-	LABOR COCT			<del> </del>	7	TOTAL-D		62167.78
E 1	Foundation		51/A1/21 donth = 1511 0 4211			Nos	150.00	10200.00
H	FOUNDATION CHARGES		5'/4'/3' depth x 15" & 12" As per design requirement	+ -		Nos sq.m	150.00 50.00	10200.00 50750.00
	INSTALLATION CHARGES		As per design requirement  As per design requirement			sq.m sq.m	50.00	50750.00
-	TRANSPORTATION CHARGES		no per design requirement		1012	J34.111	50.00	15000.00
-	ONTATION CHARGES			T	CII	B-TOTAL-E		126700.00
				<del>                                     </del>		CE TAX = 1		19005.00
				<del>                                     </del>		TOTAL-E		145705.00
F	INSURANCE	Standar	d fire and special perils policy			6 of Unit Co	ost	1871.24
<u> </u>		Janual	special perils policy			AND TOTAL		750367.44
[				COST PER SQ.M			730307.44	
	Unit Cost Limited to Rs.				710.00			
<u> </u>					OTHE COS	, Limiteu t	.U 1\3.	, 10.00

			TEAT SHALLD SHADE N					
FLAT	TOP NET HEIGHT ABOVE GROUND	LEVEL 4 m	GRID SIZE: 6m X 4m		TOT	AL AREA :	2115	sq.m
S.No	Description	Qty Unit	Description	Qty	Unit			
1	GABLE LENGTH		NET GABLE LENGTH	42		]		
3	SHADE SPAN WIDTH		NET SHADE SPAN WIDTH NET CULTIVABLE AREA			STAN	DARD SHA	ADE NET
4	No.OF GABLES No.OF SHADE SPANS		GROSS GABLE LENGTH		•	HOUS	SE WITH AL	.UMINET
5	BALCONY ON FOUR SIDES	2.5 m	GROSS SHADE SPAN WIDTH	45		1		
6	Height of NET HOUSE	4 m	GROSS SHADE AREA					
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS							
1	Foundations for Balcony pipes		OD: 48mm/3mm/1.2m	38	159.6	kg	65.00	10374.00
2	Foundations for Outer Column		OD: 48mm/3mm/1m	34	119.0		65.00	7735.00
3	Foundations for Inner Column	S	OD: 48mm/3mm/0.75m	54	141.8		65.00	9213.75
4	Main (All) Columns		OD: 60mm/2mm/4m	88	1056.0	kg	65.00	68640.00
5	Truss Pipe (Along the gable)		OD: 48mm/2mm/6m	77	1085.7	kg	65.00	70570.50
6	Purlin Pipe (Across the gable)		OD: 48mm/2mm/4m	80	752.0	kg	65.00	48880.00
7	Corridor/Balcony Pipe		OD: 60mm/2mm/4.8m	38	547.2	kg	65.00	35568.00
8	Horizontal Member in Corrido	r	OD: 33mm/2mm/1.2m	38	73.0	kg	65.00	4742.40
9	Knee bracing at all columns		OD: 33mm/2mm/1.2m	176	337.9	kg	65.00	21964.80
10	HUMAN ENTRY		Double Door System	1	1	set	20000.00	20000.00
11	TRACTOR ENTRY		AS PER SPECIFICATIONS	1	1	set	14000.00	14000.00
12	CLAMPS, COUPLERS AND ALL HARD	WARE	2.5mm thick/300 GSM	LS	2115	sq.m	20.00	42300.00
					SUB-TOTAL-A		353988.45	
					EXCISE DUTY = 12.5%		44248.56	
						TOTAL-A		398237.01
В	CLADDING MATERIALS				Г	1		
1	OPTINET OR EQUIVALENT ON		OPTINET: 40MESH 120 GSM/ WHITE C				70.00	135828.00
2	OPTINET OR EQUIVALENT ON		OPTINET: 40MESH 120 GSM/ WHITE C		1234.8		70.00	86436.00
3	ALUMINET OR EQUIVALENT AS SECON	ID LAYER	ALUMINET- 50% SHADE : 80GSM	1940.4			80.00	155232.00
	T				•	TOTAL-B		377496.00
С	OTHER MATERIALS			1	ı	1		
1	GALVALUME PROFILE		0.6mm thick/100-120GSM	698	698		45.00	31410.00
2	Zig-zag Spring Insert		2.5mm OD GI/PP COATED		1396		10.00	13960.00
3	GI WIRE FOR SHADE NET		2.5mm OD/ 50-70 GSM		77.6		52.00	4036.03
4	Semi-automatic Shade net retraction	on system	AS PER SPECIFICATIONS		2115.0		80.00	169200.00
5	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM		155.2		52.00	8072.06
6	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		1064.8		18.00	19166.40
7	Drip Irrigation System including Fog	gers	AS PER SPECIFICATIONS			sq.m TOTAL-C	71.00	150165.00
	TOTAL CTRUCTURAL MATE	DIAL COST				AL- (A+B+C	١	396009.50 1171742.50
	TOTAL STRUCTURAL MATEI	MIAL COST				X(CST/VAT)		58587.13
						TAL-(ABC)	1 – 370	1230329.63
D	FOUNDATION MATER	ΙΔΙς		l .		TAL-(ADC)		1230323.03
1	Foundations for corridors	IALU	B300 GRADE CC:15" X 5'	38	6.46	cu meter	5500.00	35536.48
2	Foundations for Outer column	ns	B300 GRADE CC:15" X 4'	34		cu meter	5500.00	25436.64
3	Foundations for Inner column		B300 GRADE CC:12" X 3'	54		cu meter	5500.00	18884.75
4	Flooring inside Double Door E		Brick work + CC - 3m x 4m x 0.1m	12		cu meter	12000.00	14400.00
	- 0	- ,				TOTAL-D		94257.86
Е	LABOUR COST							
1	Foundation		5'/4'/3' depth x 15" & 12"		126	Nos	150.00	18900.00
2	FABRICATION CHARGES		As per design requirement			sq.m	40.00	84600.00
3	INSTALLATION CHARGES		As per design requirement			sq.m	40.00	84600.00
4	TRANSPORTATION CHARGES							20000.00
					SU	B-TOTAL-E		208100.00
					SERVI	CE TAX = 1	5%	31215.00
						TOTAL-E		239315.00
F	INSURANCE	Standar	d fire and special perils policy		0.25%	6 of Unit Co	st	3909.76
					GR	AND TOTAL		1567812.25
					cos	T PER SQ.N	1	741.28
					Unit Cos	t Limited t	o Rs.	710.00
						-		

FLAT	TOP NET HEIGHT ABOVE GROUND	LEVEL 4 m	GRID SIZE: 6m X 4m		TOT	AL AREA :	3021	sq.m
S.No	Description	Qty Unit	Description	Qty	Unit			
2	GABLE LENGTH	6 m 4 m	NET GABLE LENGTH NET SHADE SPAN WIDTH					
3	SHADE SPAN WIDTH No.OF GABLES	8 No	NET SHADE SPAN WIDTE		sq.m		ARD SHADE	
4	No.OF SHADE SPANS	13 No	GROSS GABLE LENGTH	J 53	m	] '	WITH ALUM	INET
5 6	BALCONY ON FOUR SIDES Height of NET HOUSE	2.5 m 4 m	GROSS SHADE SPAN WIDTH GROSS SHADE AREA		m sq.m			
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS		•	1		l .		
1	Foundations for Balcony pipes		OD: 48mm/3mm/1.2m	46	193.2	ka	65.00	12558.00
2	Foundations for Outer Column		OD: 48mm/3mm/1m	42	147.0		65.00	9555.00
3	Foundations for Inner Column		OD: 48mm/3mm/0.75m	84	220.5		65.00	14332.50
4	Main (All) Columns	3	OD: 60mm/2mm/4m	126	1512.0		65.00	98280.00
5	Truss Pipe (Along the gable)		OD: 48mm/2mm/6m	112	1579.2	_	65.00	102648.00
6	Purlin Pipe (Across the gable)		OD: 48mm/2mm/4m	117	1099.8	<del>                                     </del>	65.00	71487.00
7	Corridor/Balcony Pipe		OD: 60mm/2mm/4.8m	46	662.4	<u> </u>	65.00	43056.00
8	Horizontal Member in Corrido	r	OD: 33mm/2mm/1.2m	46	88.3	_	65.00	5740.80
9	Knee bracing at all columns		OD: 33mm/2mm/1.2m	252	483.8	kg	65.00	31449.60
10	HUMAN ENTRY		Double Door System	1	1	set	20000.00	20000.00
11	TRACTOR ENTRY		AS PER SPECIFICATIONS	1	1	set	14000.00	14000.00
12	CLAMPS, COUPLERS AND ALL HARD	WARE	2.5mm thick/300 GSM	LS	3021	sq.m	20.00	60420.00
					SU	B-TOTAL-A		483526.90
						DUTY = 12	.5%	60440.86
					7	TOTAL-A		543967.76
В	CLADDING MATERIALS		I		ı	1	1	
1	OPTINET OR EQUIVALENT ON		OPTINET: 40MESH 120 GSM/ WHITE (			<del>                                     </del>	70.00	200655.00
2	OPTINET OR EQUIVALENT ON S		OPTINET: 40MESH 120 GSM/ WHITE (				70.00	102312.00
3	ALUMINET OR EQUIVALENT AS SECON	D LAYER	ALUMINET- 50% SHADE : 80GSM	2866.5		L	80.00	229320.00
_	071150 144750141 0					TOTAL-B		532287.00
<b>C</b>	OTHER MATERIALS		0.5	020	020	1	45.00	42240.00
2	GALVALUME PROFILE		0.6mm thick/100-120GSM 2.5mm OD GI/PP COATED	938	938 1876		45.00 10.00	42210.00 18760.00
3	Zig-zag Spring Insert GI WIRE FOR SHADE NET		2.5mm OD/ 50-70 GSM		114.0		52.00	5930.50
4	Semi-automatic screen retraction sy	/stem	AS PER SPECIFICATIONS		3021.0		70.00	211470.00
5	GI WIRE FOR TRELLISING	ystem	2.5mm OD/ 50-70 GSM		228.1	-	52.00	11860.99
6	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		1540		18.00	27720.00
7	Drip Irrigation System including Fog	gers	AS PER SPECIFICATIONS			sq.m	71.00	214491.00
					•	TOTAL-C		532442.49
	TOTAL STRUCTURAL MATER	RIAL COST			TOT	AL- (A+B+C	C)	1608697.25
					SALES TA	X(CST/VAT	) = 5%	80434.86
					то	TAL-(ABC)		1689132.11
D	FOUNDATION MATER	IALS						
1	Foundations for corridors		B300 GRADE CC:15" X 5'	46		cu meter	5500.00	43017.84
2	Foundations for Outer column		B300 GRADE CC:15" X 4'	42		cu meter	5500.00	31421.73
3	Foundations for Inner column		B300 GRADE CC:12" X 3'	84		cu meter	5500.00	29376.27
4	Flooring inside Double Door E	ntry	Brick work + CC - 3m x 4m x 0.1m	12		cu meter	12000.00	14400.00
<u> </u>					7	OTAL-D		118215.84
E	LABOUR COST		E1/41/21 download E11 0 421		470	Nes	450.00	25000.00
1	Foundation CHARGES		5'/4'/3' depth x 15" & 12"	1		Nos	150.00	25800.00
2	FABRICATION CHARGES		As per design requirement	+		sq.m	40.00	120840.00
3	INSTALLATION CHARGES TRANSPORTATION CHARGES		As per design requirement	1	3021	sq.m	40.00	120840.00 25000.00
-	THANSFORTATION CHARGES			Ι	ÇII	B-TOTAL-E		292480.00
				1		CE TAX = 1		43872.00
				†		TOTAL-E		336352.00
F	INSURANCE	Standar	d fire and special perils policy	1		6 of Unit Co	ost	5359.25
			1 and barrel			AND TOTAL		2149059.20
						T PER SQ.N		711.37
					Unit Cos	st Limited t	o Rs.	710.00
				•				

FLAT	TOP NET HEIGHT ABOVE GROUND	LEVEL 4 m	GRID SIZE: 6m X 4m	1	TOT	AL AREA :	4081	sq.m		
S.No	Description	Qty Unit	Description	Qty	Unit	1	ı			
1	GABLE LENGTH		NET GABLE LENGTH	H 48	m					
3	SHADE SPAN WIDTH No.OF GABLES		NET SHADE SPAN WIDTH NET CULTIVABLE AREA		m sq.m	STANDA	ARD SHADE	<b>NET HOUSE</b>		
4	No.OF SHADE SPANS		GROSS GABLE LENGTH			1	WITH ALUM	INET		
5	BALCONY ON FOUR SIDES	2.5 m	GROSS SHADE SPAN WIDTH			1				
6	Height of NET HOUSE	4 m	GROSS SHADE AREA		sq.m		_	_		
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount		
Α :	STRUCTURAL MATERIALS			1	1		T	T		
1	Foundations for Balcony pipes		OD: 48mm/3mm/1.2m	56	235.2	kg	65.00	15288.00		
	Foundations for Outer Column	iS	OD: 48mm/3mm/1m	52	182.0		65.00			
-	Foundations for Inner Columns	S	OD: 48mm/3mm/0.75m	119	312.4		65.00			
	Main (All) Columns		OD: 60mm/2mm/4m	171	2052.0		65.00			
	Truss Pipe (Along the gable)		OD: 48mm/2mm/6m	152	2143.2		65.00			
	Purlin Pipe (Across the gable)		OD: 48mm/2mm/4m	162	1522.8		65.00	98982.00		
	Corridor/Balcony Pipe Horizontal Member in Corridor		OD: 60mm/2mm/4.8m	56 56	806.4 107.5		65.00	52416.00 6988.80		
			OD: 33mm/2mm/1.2m	342		_	65.00	42681.60		
	Knee bracing at all columns HUMAN ENTRY		OD: 33mm/2mm/1.2m Double Door System	342	656.6 1	set	65.00 20000.00	20000.00		
	TRACTOR ENTRY		AS PER SPECIFICATIONS	1		set	14000.00			
	CLAMPS, COUPLERS AND ALL HARD		2.5mm thick/300 GSM	LS		sq.m	20.00	81620.00		
			, , , , , , , , , , , , , , , , , , , ,			B-TOTAL-A	ı	636798.78		
					EXCISE	DUTY = 12	5%	79599.85		
						TOTAL-A	716398.62			
В	CLADDING MATERIALS									
1	OPTINET OR EQUIVALENT ON	ТОР	OPTINET: 40MESH 120 GSM/ WHITE	c 3969	3969	sq.m	70.00	277830.00		
2	OPTINET OR EQUIVALENT ON S	SIDES	OPTINET: 40MESH 120 GSM/ WHITE	c 1713.6	1713.6	sq.m	70.00	119952.00		
3	ALUMINET OR EQUIVALENT AS SECON	D LAYER	ALUMINET- 50% SHADE : 80GSM	3969	3969	sq.m	sq.m 80.00			
					•	TOTAL-B	OTAL-B			
	OTHER MATERIALS			1	1		1	ı		
	GALVALUME PROFILE		0.6mm thick/100-120GSM	1228	1228		45.00			
_	Zig-zag Spring Insert		2.5mm OD GI/PP COATED		2456		10.00			
	GI WIRE FOR SHADE NET		2.5mm OD/ 50-70 GSM		156.3		52.00			
	Semi-automatic screen retraction sy GI WIRE FOR TRELLISING	/stem	AS PER SPECIFICATIONS		4081.0 312.6	<u> </u>	60.00			
	GI Wire Rope For Trellising		2.5mm OD/ 50-70 GSM 4.0mm OD/ 1 X 19 or 7 x 19		2090		52.00 18.00			
	Drip Irrigation System including Fog		AS PER SPECIFICATIONS			sq.m	71.00			
,	Drip irrigution System including 1 05	Beig	AS FER SFECIFICATIONS			TOTAL-C	71.00	676431.93		
	TOTAL STRUCTURAL MATER	RIAL COST				AL- (A+B+0	<u> </u>	2108132.55		
						X(CST/VAT	•	105406.63		
						TAL-(ABC)		2213539.18		
D	FOUNDATION MATER	IALS								
1	Foundations for corridors		B300 GRADE CC:15" X 5'	56		cu meter	5500.00			
	Foundations for Outer column		B300 GRADE CC:15" X 4'	52		cu meter	5500.00			
	Foundations for Inner column		B300 GRADE CC:12" X 3'	119		cu meter	5500.00			
4	Flooring inside Double Door E	ntry	Brick work + CC - 3m x 4m x 0.1m	12		cu meter	12000.00			
-	LABOUR COCT					TOTAL-D		147289.02		
<b>E</b> 1	LABOUR COST Foundation		5'/4'/2' donth y 15" 0 12"		227	Nos	150.00	24050.00		
	FABRICATION CHARGES		5'/4'/3' depth x 15" & 12" As per design requirement			sq.m	150.00 40.00			
	INSTALLATION CHARGES		As per design requirement			sq.m	40.00			
-	TRANSPORTATION CHARGES		per acoign requirement	1	1 -5051	124.111	1 -40.00	30000.00		
-					SH	B-TOTAL-E		390530.00		
						CE TAX = 1		58579.50		
						TOTAL-E		449109.50		
F	INSURANCE	Standar	d fire and special perils policy			6 of Unit Co	ost	7024.84		
							GRAND TOTAL			
				COST PER SQ.M						
					cos	T PER SQ.N	M	690.26		

1		ANDARD SHADE NETHOUSE					
FLAT	TOP NET HEIGHT ABOVE GROUND LEVEL	GRID SIZE: 8m X 5m	1	тот	AL AREA :	525	sq.m
S.No	· · · · · · · · · · · · · · · · · · ·	Unit Description	Qty	Unit			
2	GABLE LENGTH 8 n			m m			
3	SHADE SPAN WIDTH 5 n No.OF GABLES 2 N		_	sq.m	_	RD SHADE	
4	No.OF SHADE SPANS 4 N	No GROSS GABLE LENGT	H 21	m	W W	ITH CABLE P	JRLIN
5	BALCONY ON FOUR SIDES 2.5 n						
6	Height of NET HOUSE 4 n			sq.m		<b>.</b>	
S.No	Description	Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS		T	ı	1	ı	
1	Wire Rope Stay rod/LIP-C PROFILE	14mm OD x 2m/LIP-C :3mm/1.5m	32	32.0	Nos	250.00	8000.00
2	Foundations for Outer Columns	OD:76mm/SHS:50X50/3.0mm/0.6m	16	72.0	kg	65.00	4680.00
3	Outer Columns	OD: 90 mm/SHS:60X60/2.5mm/4m	16	352.0	kg	65.00	22880.00
4	Inner Columns	OD: 60mm/SHS:50X50/2mm/5m	3	45.0	kg	65.00	2925.00
5	HUMAN ENTRY - Double Door System	GI Frame work 4m x 3m x 2m	1		set	15000.00	15000.00
6	CLAMPS, COUPLERS AND ALL HARDWARE	2.5mm thick/300 GSM	LS	525	sq.m	20.00	10500.00
				SUE	B-TOTAL-A		63985.00
					DUTY = 12.	.5%	7998.13
				Т	OTAL-A		71983.13
	CLADDING MATERIALS		1	T	I		
1	SHADE NET - MONOFILAMENT	115 GSM/ WHITE/GREEN/BLACK COL	_		•	36.00	14152.32
2	INSECT PROOF NET ON SIDES	105 GSM/ WHITE COLOR/6.0m	655.2	655.2		40.00	26208.00
3	Shade net (Tape Type as second layer	35%/50%-90GSM-WHITE/GREEN/BLACK	393.12	l .		25.00	9828.00
	OTHER MATERIAL C			T	OTAL-B		50188.32
	OTHER MATERIALS	GI Wire rope: 6mm OD, 1 X 19/7 X 19	22	102.0	I	20.00	F760.00
_	Anchoring rope	GI Wire rope: 5mm OD, 1 X 19/7 X 19	32	192.0		30.00	5760.00 4000.00
3	Anchoring rope	GI Wire rope: 5mm OD, 1 X 19/7 X 19	32 292	160.0 292.0		25.00	7300.00
4	Cable Purlin Wire Rope for Shade Net Support	GI Wire rope: 5mm OD, 1 X 19/7 X 20	156	156.0		25.00 25.00	3900.00
	PP/PET/Polyester rope	2.5mm OD	704	704.0		3.00	2112.00
	GALVALUME PROFILE		120	120		45.00	5400.00
	Zig-zag Spring Insert	0.6mm thick/100-120GSM  2.5mm OD GI/PP COATED	120	240		10.00	2400.00
8	Manual Retraction Pulleys and PP Rope	AS PER SPECIFICATIONS		525.0		10.00	5250.00
9	GI WIRE FOR TRELLISING	2.5mm OD/ 50-70 GSM	704	28.2		52.00	1464.32
	GI Wire Rope For Trellising	4.0mm OD/ 1 X 19 or 7 x 19	704	198		18.00	3564.00
	Drip Irrigation System	AS PER SPECIFICATIONS			sq.m	35.00	18375.00
	one ingularion system	AST EN SI ECITICATIONS			OTAL-C	33.00	59525.32
	TOTAL STRUCTURAL MATERIAL CO	OST			AL- (A+B+C	)	181696.77
					X(CST/VAT)		9084.84
					TAL-(ABC)	373	190781.60
D	FOUNDATION MATERIALS				, ,		
1	Foundations for corridors	B300 GRADE CC: 15" X 6'	32	6.36	cu meter	5500.00	34971.75
2	Foundations for Outer columns	B300 GRADE CC: 15" X 5'	16		cu meter	5500.00	14571.56
3	Foundations for Inner columns	B300 GRADE GCC: 12" X 1m	3	0.21	cu meter	5500.00	1165.73
				Т	OTAL-D		50709.04
E	LABOR COST						
1	Foundation	6'/5'/1m depth x 15" & 12"		51	Nos	150.00	7650.00
2	FABRICATION CHARGES	As per design requirement		525	sq.m	50.00	26250.00
3	INSTALLATION CHARGES	As per design requirement		525	sq.m	50.00	26250.00
4	TRANSPORTATION CHARGES						10000.00
				SUI	B-TOTAL-E		70150.00
					E TAX = 1	5%	10522.50
					OTAL-E		80672.50
F	INSURANCE Sta	andard fire and special perils policy			of Unit Co		805.41
					ND TOTAL		322968.55
					F PER SQ.N		615.18
THE FOU	LOWING COMPONENTS ARE ALLOWED. AS SUPPLY OF	TEC/ADDITIONAL DACED ON THEIR BUNGLON WATER	ATION INTO		t Limited to		615.00
THE FOL	LOWING COMPONENTS ARE ALLOWED AS SUBSTITUT INSECT PROOF NET ON TOP	105 GSM/ WHITE COLOR/5.2m	LATION IN I'H	393.12		40.00	15724.80
	Fogging System	Too com, while colony sizm			sq.m	35.00	18375.00
	In any instance. The subsidy component cannot	t average De 255/ parks m	_1	323	1-4	33.00	10373.00

Note: In any instance, The subsidy component cannot exceed Rs.355/- per sq.m

			DARD SHADE NETHOUSE	VVIIII				
FLAT	TOP NET HEIGHT ABOVE GROUND	LEVEL 4 m	GRID SIZE: 8m X 5m		TOT	AL AREA:	1015	sq.m
S.No	Description	Qty Unit	Description	Qty	Unit			
1	GABLE LENGTH	8 m	NET GABLE LENGTH NET SHADE SPAN WIDTH					
3	SHADE SPAN WIDTH No.OF GABLES	5 m 3 No	NET CULTIVABLE AREA		sq.m		RD SHADE	
4	No.OF SHADE SPANS	6 No	GROSS GABLE LENGTH	29		WI	TH CABLE P	URLIN
5	BALCONY ON FOUR SIDES	2.5 m	GROSS SHADE SPAN WIDTH	35				
6	Height of NET HOUSE	4 m	GROSS SHADE AREA	1015	sq.m			
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS		1			1		
1	Wire Rope Stay rod/LIP-C PROFILE		14mm OD x 2m/LIP-C :3mm/1.5m	48	48.0	Nos	250.00	12000.00
2	Foundations for Outer Columns		OD:76mm/SHS:50X50/3.0mm/0.6m	24	108.0	kg	65.00	7020.00
3	Outer Columns		OD: 90 mm/SHS:60X60/2.5mm/4m	24	528.0	kg	65.00	34320.00
4	Inner Columns		OD: 60mm/SHS:50X50/2mm/5m	10	150.0	kg	65.00	9750.00
5	HUMAN ENTRY - Double Door Syste	em	GI Frame work 4m x 3m x 2m	1	1	set	15000.00	15000.00
6	CLAMPS, COUPLERS AND ALL HARD	WARE	2.5mm thick/300 GSM	LS	1015	sq.m	20.00	20300.00
					SUI	3-TOTAL-A		98390.00
					EXCISE	DUTY = 12.	5%	12298.75
					Т	OTAL-A		110688.75
В	CLADDING MATERIALS							
1	SHADE NET - MONOFILAMENT	-	115 GSM/ WHITE/GREEN/BLACK COLO	852	852	sq.m	36.00	30663.36
2	INSECT PROOF NET ON SIDES	-	105 GSM/ WHITE COLOR/6.0m	882	882	sq.m	40.00	35280.00
3	Shade net (Tape Type as secor	nd layer)	35%/50%-90GSM-WHITE/GREEN/BLACK	852	852	sq.m	25.00	21294.00
					Т	OTAL-B		87237.36
С	OTHER MATERIALS							
1	Anchoring rope		GI Wire rope: 6mm OD, 1 X 19/7 X 19	48	288.0	m	30.00	8640.00
2	Anchoring rope		GI Wire rope: 5mm OD, 1 X 19/7 X 19	48	240.0	m	25.00	6000.00
3	Cable Purlin		GI Wire rope: 5mm OD, 1 X 19/7 X 19	534	534.0	m	25.00	13350.00
4	Wire Rope for Shade Net Supp	ort	GI Wire rope: 5mm OD, 1 X 19/7 X 20	310	310.0	m	25.00	7750.00
5	PP/PET/Polyester rope		2.5mm OD	1584	1584.0	m	3.00	4752.00
6	GALVALUME PROFILE		0.6mm thick/100-120GSM	120	120	m	45.00	5400.00
7	Zig-zag Spring Insert		2.5mm OD GI/PP COATED		240	m	10.00	2400.00
8	Manual Retraction Pulleys and PP R	lope	AS PER SPECIFICATIONS		1015.0	sg.m	10.00	10150.00
9	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM	1584	63.4	<u> </u>	52.00	3294.72
10	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		400.4	_	18.00	7207.20
11	Drip Irrigation System		AS PER SPECIFICATIONS		1015	sq.m	35.00	35525.00
	,					OTAL-C		104468.92
	TOTAL STRUCTURAL MATER	RIAL COST				AL- (A+B+C)	)	302395.03
						K(CST/VAT)	·	15119.75
						TAL-(ABC)	- 370	317514.78
D	FOUNDATION MATER	IALS		1		(		
1	Foundations for corridors		B300 GRADE CC: 15" X 6'	48	9.54	cu meter	5500.00	52457.63
	Foundations for Outer column	าร	B300 GRADE CC: 15" X 5'	24		cu meter	5500.00	21857.34
3	Foundations for Inner column		B300 GRADE GCC: 12" X 1m	10		cu meter	5500.00	3885.75
	The second secon					OTAL-D	3220.00	78200.72
Е	LABOR COST							
1	Foundation		6'/5'/1m depth x 15" & 12"		82	Nos	150.00	12300.00
	FABRICATION CHARGES		As per design requirement	1		sq.m	50.00	50750.00
3	INSTALLATION CHARGES		As per design requirement			sq.m	50.00	50750.00
4	TRANSPORTATION CHARGES		F = 1 = 2 G = 1 = 4 = 1 = 1 = 1	1		1 11	20.00	15000.00
•	and distributed the state of th				SUI	3-TOTAL-E		128800.00
						E TAX = 1!	5%	19320.00
						OTAL-E	-,-	148120.00
F	INSURANCE	Standa	rd fire and special perils policy			of Unit Co	st	1359.59
Ė	<del>-</del>	Stariou				ND TOTAL	1	545195.09
						F PER SQ.M		537.14
				I		t Limited to		537.14
THE FOL	LOWING COMPONENTS ARE ALLOWED AS S	SUBSTITUTES/AD	DITIONAL BASED ON THEIR PHYSICAL INSTALLA	TION IN THI				337.00
	INSECT PROOF NET ON TOP		105 GSM/ WHITE COLOR/5.2m			sq.m	40.00	34070.40
2	Fogging System					sq.m	35.00	35525.00
Notor	In any instance. The subsidy compone							

Note: In any instance, The subsidy component cannot exceed Rs.355/- per sq.m

		PARD SHADE NETHOUSE	VVIIII				1
FLAT	TOP NET HEIGHT ABOVE GROUND LEVEL 4 m	GRID SIZE: 8m X 5m		тоти	AL AREA :	2025	sq.m
S.No	Description Qty Unit	Description	Qty	Unit			
1	GABLE LENGTH 8 m	NET GABLE LENGTH	40				
2	SHADE SPAN WIDTH 5 m	NET SHADE SPAN WIDTH	40		STANDA	ARD SHADE	NET HOUSE
3	No.OF GABLES 5 No No.OF SHADE SPANS 8 No	NET CULTIVABLE AREA GROSS GABLE LENGTH	1600 45	•	W	ITH CABLE P	URLIN
5	BALCONY ON FOUR SIDES 2.5 m	GROSS SHADE SPAN WIDTH	45				
6	Height of NET HOUSE 4 m	GROSS SHADE AREA	2025	sq.m			
S.No	Description	Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS						
1	Wire Rope Stay rod/LIP-C PROFILE	14mm OD x 2m/LIP-C :3mm/1.5m	72	72.0	Nos	250.00	18000.00
	Foundations for Outer Columns	OD:76mm/SHS:50X50/3.0mm/0.6m	36	162.0		65.00	10530.00
	Outer Columns	OD: 90 mm/SHS:60X60/2.5mm/4m	36	792.0	_	65.00	
	Inner Columns	OD: 60mm/SHS:50X50/2mm/5m	28	420.0	_	65.00	51480.00
							27300.00
	HUMAN ENTRY - Double Door System	GI Frame work 4m x 3m x 2m	1		set	15000.00	15000.00
	TRACTOR ENTRY	GI Frame work 2.7m x 2.7m	1		set	11000.00	11000.00
7	CLAMPS, COUPLERS AND ALL HARDWARE	2.5mm thick/300 GSM	LS		sq.m	20.00	40500.00
					B-TOTAL-A		173810.00
					DUTY = 12.	21726.25	
	CLADDING MATERIAL C			Т	OTAL-A		195536.25
	CLADDING MATERIALS		402:5	400 : 5	I	20.00	660444
	SHADE NET - MONOFILAMENT	115 GSM/ WHITE/GREEN/BLACK COLO		1834.6	•	36.00	66044.16
2	INSECT PROOF NET ON SIDES	105 GSM/ WHITE COLOR/6.0m	1209.6	1209.6		40.00	48384.00
3	Shade net (Tape Type as second layer)	35%/50%-90GSM-WHITE/GREEN/BLACK	1834.6	1834.6		25.00	45864.00
С	OTHER MATERIAL C			Į.	OTAL-B		160292.16
	OTHER MATERIALS			400.0	l	20.00	42060.00
	Anchoring rope	GI Wire rope: 6mm OD, 1 X 19/7 X 19	72	432.0		30.00	12960.00
	Anchoring rope	GI Wire rope: 5mm OD, 1 X 19/7 X 19	72	360.0		25.00	9000.00
	Cable Purlin	GI Wire rope: 5mm OD, 1 X 19/7 X 19	1020	1020.0		25.00	25500.00
	Wire Rope for Shade Net Support	GI Wire rope: 5mm OD, 1 X 19/7 X 20	630	630.0		25.00	15750.00
	PP/PET/Polyester rope	2.5mm OD	3520	3520.0		3.00	10560.00
	GALVALUME PROFILE	0.6mm thick/100-120GSM	120	120		45.00	5400.00
	Zig-zag Spring Insert	2.5mm OD GI/PP COATED		240		10.00	2400.00
	Manual Retraction Pulleys and PP Rope	AS PER SPECIFICATIONS	2520	2025.0	· ·	10.00	20250.00
	GI WIRE FOR TRELLISING	2.5mm OD/ 50-70 GSM	3520	140.8		52.00	7321.60
	GI Wire Rope For Trellising	4.0mm OD/ 1 X 19 or 7 x 19		831.6		18.00	14968.80
11	Drip Irrigation System	AS PER SPECIFICATIONS		2025		35.00	70875.00
	TOTAL CERUCEURAL AAATERIAL COCT				OTAL-C	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	194985.40
	TOTAL STRUCTURAL MATERIAL COST		,		AL- (A+B+C		550813.81
			3		X(CST/VAT)	= 5%	27540.69
_	FOLIND ATION MATERIALS			10	TAL-(ABC)		578354.50
D	FOUNDATION MATERIALS	DOOD CDADE CO. 45II V CI	72	4424		5500.00	70000 44
1	Foundations for corridors	B300 GRADE CC: 15" X 6'	72		cu meter	5500.00	78686.44
2	Foundations for Outer columns	B300 GRADE CC: 15" X 5'	36		cu meter	5500.00	32786.02
3	Foundations for Inner columns	B300 GRADE GCC: 12" X 1m	28		cu meter	5500.00	10880.10 <b>122352.55</b>
<u> </u>	LABOR COST			- 1	OTAL-D		122332.55
E 1	LABOR COST Foundation	61/51/1m donth :: 45" 0.40"		436	Nos	150.00	20400.00
1		6'/5'/1m depth x 15" & 12"			Nos	150.00	20400.00
	FABRICATION CHARGES	As per design requirement			sq.m	40.00	81000.00
3	INSTALLATION CHARGES	As per design requirement		2025	sq.m	40.00	81000.00
4	TRANSPORTATION CHARGES		I	C111	TOTAL		20000.00
					B-TOTAL-E	F0/	202400.00
					ETAX = 1	5%	30360.00
	INCLIDANCE	and films a mad a manager to be a control of the			OTAL-E	-+	232760.00
F	INSURANCE Standa	rd fire and special perils policy			of Unit Co		2333.67
					ND TOTAL		935800.72
					F PER SQ.N		462.12
THE CO	LOWING COMPONENTS ARE ALLOWED AS SUBSTITU	TES BASED ON THEIR DHYSICAL INISTALLATI	ON INTHE		t Limited to		462.00
	INSECT PROOF NET ON TOP	105 GSM/ WHITE COLOR/5.2m	OIN IIN I IIE	1834.6		40.00	73382.40
	Semi-automatic Shade net retraction system	AS PER SPECIFICATIONS			sq.m	80.00	162000.00
	Fogging System				sq.m	35.00	70875.00
	In any instance, The subsidy component cannot exce	ad Br 2EE/ parsa m			-		

3 Fogging System
Note: In any instance, The subsidy component cannot exceed Rs.355/- per sq.m

		ARD SHADE NETHOUSE	1				
FLAT	TOP NET HEIGHT ABOVE GROUND LEVEL 4 m	GRID SIZE: 8m X 5m		1017	AL AREA :	2915	sq.m
S.No	Description Qty Unit	Description	Qty	Unit			
1	GABLE LENGTH 8 m	NET GABLE LENGTH	48				
3	SHADE SPAN WIDTH 5 m No.OF GABLES 6 No	NET SHADE SPAN WIDTH NET CULTIVABLE AREA	50 2400	sq.m		RD SHADE	
4	No.OF SHADE SPANS 10 No	GROSS GABLE LENGTH	53	_	W	ITH CABLE P	URLIN
5	BALCONY ON FOUR SIDES 2.5 m	GROSS SHADE SPAN WIDTH	55				
6	Height of NET HOUSE 4 m	GROSS SHADE AREA	2915	sq.m		ı	
S.No	Description	Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS						
1	Wire Rope Stay rod/LIP-C PROFILE	14mm OD x 2m/LIP-C :3mm/1.5m	88	88.0	Nos	250.00	22000.00
2	Foundations for Outer Columns	OD:76mm/SHS:50X50/3.0mm/0.6m	44	198.0	ka	65.00	12870.00
3	Outer Columns	OD: 90 mm/SHS:60X60/2.5mm/4m	44	968.0	-	65.00	62920.00
4	Inner Columns	OD: 60mm/SHS:50X50/2mm/5m	45	675.0	ŭ	65.00	43875.00
5	HUMAN ENTRY - Double Door System	GI Frame work 4m x 3m x 2m	1		set	15000.00	15000.00
6	TRACTOR ENTRY	GI Frame work 2.7m x 2.7m	1		set	11000.00	11000.00
7	CLAMPS, COUPLERS AND ALL HARDWARE	2.5mm thick/300 GSM	LS	2915		20.00	58300.00
	CEANIT 3, COOT EERS AND ALE HARDWARE	2.5IIIII tilicky 300 d3iVi	L3		B-TOTAL-A	20.00	
					225965.00		
			EXCISE DUTY = 12.5%  TOTAL-A			28245.63 <b>254210.63</b>	
В	CLADDING MATERIALS	l	]		OTAL-A	Z34Z1U.03	
1	SHADE NET - MONOFILAMENT	11E CSM/ MULTE/CDEEN/DLACK COLO	2730	2720	sq.m	36.00	98280.00
-	INSECT PROOF NET ON SIDES	115 GSM/ WHITE/GREEN/BLACK COLO			· •		
2		105 GSM/ WHITE COLOR/6.0m	1436.4	1436.4		40.00	57456.00
3	Shade net (Tape Type as second layer)	35%/50%-90GSM-WHITE/GREEN/BLACK	2730		sq.m	25.00	68250.00
_	OTHER MATERIALS				OTAL-B		223986.00
C		C.W		520.0	<u> </u>	20.00	15040.00
1	Anchoring rope	GI Wire rope: 6mm OD, 1 X 19/7 X 19	88	528.0		30.00	15840.00
2	Anchoring rope	GI Wire rope: 5mm OD, 1 X 19/7 X 19	88	440.0		25.00	11000.00
3	Cable Purlin	GI Wire rope: 5mm OD, 1 X 19/7 X 19	1442	1442.0		25.00	36050.00
4	Wire Rope for Shade Net Support	GI Wire rope: 5mm OD, 1 X 19/7 X 20	914	914.0		25.00	22850.00
5	PP/PET/Polyester rope	2.5mm OD	5280	5280.0		3.00	15840.00
6	GALVALUME PROFILE	0.6mm thick/100-120GSM	120	120		45.00	5400.00
7	Zig-zag Spring Insert	2.5mm OD GI/PP COATED		240		10.00	2400.00
8	Manual Retraction Pulleys and PP Rope	AS PER SPECIFICATIONS		2915.0	•	10.00	29150.00
9	GI WIRE FOR TRELLISING	2.5mm OD/ 50-70 GSM	5280	211.2		52.00	10982.40
10	GI Wire Rope For Trellising	4.0mm OD/ 1 X 19 or 7 x 19		1210		18.00	21780.00
11	Drip Irrigation System	AS PER SPECIFICATIONS			sq.m	35.00	102025.00
					OTAL-C		273317.40
	TOTAL STRUCTURAL MATERIAL COST				AL- (A+B+C)	·	751514.03
			:		((CST/VAT)	= 5%	37575.70
				TO	TAL-(ABC)		789089.73
D	FOUNDATION MATERIALS		ı		T	1	
1	Foundations for corridors	B300 GRADE CC: 15" X 6'	88		cu meter	5500.00	96172.31
2	Foundations for Outer columns	B300 GRADE CC: 15" X 5'	44		cu meter	5500.00	40071.80
3	Foundations for Inner columns	B300 GRADE GCC: 12" X 1m	45		cu meter	5500.00	17485.88
				Т	OTAL-D		153729.98
E	LABOR COST						
1	Foundation	6'/5'/1m depth x 15" & 12"			Nos	150.00	26550.00
2	FABRICATION CHARGES	As per design requirement		2915	sq.m	40.00	116600.00
3	INSTALLATION CHARGES	As per design requirement		2915	sq.m	40.00	116600.00
4	TRANSPORTATION CHARGES						25000.00
				SUE	3-TOTAL-E		284750.00
				SERVIC	E TAX = 1	5%	42712.50
				Т	OTAL-E		327462.50
F	INSURANCE Standar	rd fire and special perils policy		0.25%	of Unit Co	st	3175.71
				GRA	ND TOTAL		1273457.92
					F PER SQ.N		436.86
				Unit Cos	t Limited to	o Rs.	437.00
	LOWING COMPONENTS ARE ALLOWED AS SUBSTITU		ON IN THE				
1	INSECT PROOF NET ON TOP	105 GSM/ WHITE COLOR/5.2m			sq.m	40.00	109200.00
2	Semi-automatic Shade net retraction system	AS PER SPECIFICATIONS			sq.m	70.00	204050.00
3 Note:	Fogging System  In any instance. The subsidy component cannot exce			2915	sq.m	35.00	102025.00

Note: In any instance, The subsidy component cannot exceed Rs.355/- per sq.m

	Boin o	OIAND	TARD SHADE NETHOUSE	******	OADEL	· · OIXEII	1	
FLAT	TOP NET HEIGHT ABOVE GROUND	LEVEL 4 m	GRID SIZE: 8m X 5m		тоти	AL AREA :	3965	sq.m
S.No	Description	Qty Unit	Description	Qty	Unit			
1	GABLE LENGTH	8 m	NET GABLE LENGTH	56	m			
2	SHADE SPAN WIDTH	5 m	NET SHADE SPAN WIDTH	60		STANDA	ARD SHADE	NET HOUSE
3	No.OF GABLES No.OF SHADE SPANS	7 No 12 No	NET CULTIVABLE AREA GROSS GABLE LENGTH	3360		W	ITH CABLE P	URLIN
5	BALCONY ON FOUR SIDES	2.5 m	GROSS GABLE LENGTH GROSS SHADE SPAN WIDTH	61 65				
6	Height of NET HOUSE	4 m	GROSS SHADE AREA		sq.m			
S.No	Description	•	Specification	Nos	Qty	Unit	Rate	Amount
-	STRUCTURAL MATERIALS		openication.		٦٠,	- Cilie	11000	
Α	STRUCTURAL MATERIALS			1		ı	T T	
1	Wire Rope Stay rod/LIP-C PROFILE		14mm OD x 2m/LIP-C :3mm/1.5m	104	104.0	Nos	250.00	26000.00
2	Foundations for Outer Columns		OD:76mm/SHS:50X50/3.0mm/0.6m	52	234.0	kg	65.00	15210.00
3	Outer Columns		OD: 90 mm/SHS:60X60/2.5mm/4m	52	1144.0	kg	65.00	74360.00
4	Inner Columns		OD: 60mm/SHS:50X50/2mm/5m	66	990.0	kg	65.00	64350.00
5	HUMAN ENTRY - Double Door Syste	em	GI Frame work 4m x 3m x 2m	1	1	set	15000.00	15000.00
6	TRACTOR ENTRY		GI Frame work 2.7m x 2.7m	1	1	set	11000.00	11000.00
7	CLAMPS, COUPLERS AND ALL HARD	WARF	2.5mm thick/300 GSM	LS		sq.m	20.00	79300.00
	02 0, 00 0. 22.10 , 2 ,		Z.SIIIII tilicity 300 GSIVI			3-TOTAL-A	20.00	285220.00
							Γ0/	
<u> </u>						DUTY = 12 OTAL-A	.5/0	35652.50 <b>320872.50</b>
	CLADDING MATERIALS		l		<u>I</u>	OTAL-A		3208/2.50
-	CLADDING MATERIALS	-	T	0000	0	I		
1	SHADE NET - MONOFILAMENT		115 GSM/ WHITE/GREEN/BLACK COLO			-	36.00	136805.76
2	INSECT PROOF NET ON SIDES		105 GSM/ WHITE COLOR/6.0m	1663.2		•	40.00	66528.00
3	Shade net (Tape Type as secor	nd layer)	35%/50%-90GSM-WHITE/GREEN/BLACK	3800.2	3800.2		25.00	95004.00
					Т	OTAL-B		298337.76
С	OTHER MATERIALS							
1	Anchoring rope		GI Wire rope: 6mm OD, 1 X 19/7 X 19	104	624.0	m	30.00	18720.00
2	Anchoring rope		GI Wire rope: 5mm OD, 1 X 19/7 X 19	104	520.0	m	25.00	13000.00
3	Cable Purlin		GI Wire rope: 5mm OD, 1 X 19/7 X 19	1936	1936.0	m	25.00	48400.00
4	Wire Rope for Shade Net Supp	ort	GI Wire rope: 5mm OD, 1 X 19/7 X 20	1250	1250.0		25.00	31250.00
	PP/PET/Polyester rope		2.5mm OD	7392	7392.0		3.00	22176.00
	GALVALUME PROFILE		0.6mm thick/100-120GSM	120	120		45.00	5400.00
	Zig-zag Spring Insert		·	120	240		10.00	2400.00
	Manual Retraction Pulleys and PP R	lono	2.5mm OD GI/PP COATED  AS PER SPECIFICATIONS		3965.0		10.00	39650.00
	GI WIRE FOR TRELLISING	Юре		7202				
			2.5mm OD/ 50-70 GSM	7392	295.7		52.00	15375.36
	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		1658.8		18.00	29858.40
11	Drip Irrigation System		AS PER SPECIFICATIONS			sq.m	35.00	138775.00
						OTAL-C		365004.76
	TOTAL STRUCTURAL MATER	RIAL COST				AL- (A+B+C		984215.02
				:		X(CST/VAT)	= 5%	49210.75
					TO	TAL-(ABC)		1033425.77
D	FOUNDATION MATER	IALS						
1	Foundations for corridors		B300 GRADE CC: 15" X 6'	104	20.67	cu meter	5500.00	113658.19
2	Foundations for Outer column	ns	B300 GRADE CC: 15" X 5'	52	8.61	cu meter	5500.00	47357.58
3	Foundations for Inner column	S	B300 GRADE GCC: 12" X 1m	66	4.66	cu meter	5500.00	25645.95
						OTAL-D		186661.72
Е	LABOR COST							
_	Foundation		6'/5'/1m depth x 15" & 12"		222	Nos	150.00	33300.00
	FABRICATION CHARGES		As per design requirement			sq.m	40.00	158600.00
-	INSTALLATION CHARGES		As per design requirement			sq.m	40.00	158600.00
-			7.5 per design requirement	<u> </u>	3303	34.111	40.00	
4	TRANSPORTATION CHARGES			1	CI II	TOTAL		30000.00
						B-TOTAL-E	F0/	380500.00
<u> </u>						E TAX = 1	5%	57075.00
						OTAL-E		437575.00
F	INSURANCE	Standar	rd fire and special perils policy			of Unit Co		4144.16
					GRA	ND TOTAL		1661806.64
						F PER SQ.N		419.12
						t Limited t		419.00
		AS SUBSTITU	TES BASED ON THEIR PHYSICAL INSTALLATION	ON IN THE				450000
	INSECT PROOF NET ON TOP		105 GSM/ WHITE COLOR/5.2m		3800.2	-	40.00	152006.40
	Semi-automatic Shade net retraction	ıı system	AS PER SPECIFICATIONS			sq.m	60.00	237900.00
	Fogging System In any instance. The subsidy compone		De 255 / paragraph		3965	sq.m	35.00	138775.00

Note: In any instance, The subsidy component cannot exceed Rs.355/- per sq.m

FLAT	TOP NET HEIGHT ABOVE GROUND		GRID SIZE: 8m X 5m			AL AREA :	İ	sq.m
				044		12 / 11 (2 / 1 )	323	3 <b>4</b> .iii
<b>S.No</b>	Description  GABLE LENGTH	Qty Unit 8 m	Description  NET GABLE LENGTH	<b>Qty</b> 16	<b>Unit</b> m	CTANDA	DD CHADE	NET LIQUEE
2	SHADE SPAN WIDTH	5 m	NET SHADE SPAN WIDTH			_	_	NET HOUSE
3	No.OF GABLES No.OF SHADE SPANS	2 No 4 No	NET CULTIVABLE AREA GROSS GABLE LENGTH		sq.m	WIIF	I CABLE PUR	
5	BALCONY ON FOUR SIDES	2.5 m	GROSS SHADE SPAN WIDTH				ALUMINE	T
6	Height of NET HOUSE	4 m	GROSS SHADE AREA	525	sq.m		1	
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS		,					
1	Wire Rope Stay rod/LIP-C PROFILE		14mm OD x 2m/LIP-C :3mm/1.5m	32	32.0	Nos	250.00	8000.00
2	Foundations for Outer Columns		OD:76mm/SHS:50X50/3.0mm/0.6m	16	72.0	kg	65.00	4680.00
3	Outer Columns		OD: 90 mm/SHS:60X60/2.5mm/4m	16	352.0		65.00	22880.00
4	Inner Columns		OD: 60mm/SHS:50X50/2mm/5m	3	45.0	kg	65.00	2925.00
5	HUMAN ENTRY - Double Door Syste		GI Frame work 4m x 3m x 2m	1		set	20000.00	20000.00
6	CLAMPS, COUPLERS AND ALL HARD	WARE	2.5mm thick/300 GSM	LS	525	sq.m	20.00	10500.00
						B-TOTAL-A		68985.00
				EXCISE DUTY = 12.5%  ΤΟΤΑΙ - Δ			.5%	8623.13
				TOTAL-A			77608.13	
В	CLADDING MATERIALS	TOD	<u> </u>			Ι		
1	OPTINET OR EQUIVALENT ON		OPTINET: 40MESH 120 GSM/ WHITE C	<b>———</b>		sq.m	70.00	27518.40
2	OPTINET OR EQUIVALENT ON		OPTINET: 40MESH 120 GSM/ WHITE C			sq.m	70.00	45864.00
3	ALUMINET OR EQUIVALENT AS SECON	D LAYER	ALUMINET- 50% SHADE : 80GSM	393		sq.m	80.00	31449.60
С	OTHER MATERIALS				<u> </u>	OTAL-B		104832.00
			GI Wire rope: 6mm OD, 1 X 19/7 X 19	22	102.0	I	20.00	5760.00
2	Anchoring rope		GI Wire rope: 5mm OD, 1 X 19/7 X 19	32	192.0		30.00	4000.00
3	Anchoring rope		GI Wire rope: 5mm OD, 1 X 19/7 X 19	32 292	160.0 292.0		25.00	7300.00
4	Cable Purlin	ort.	GI Wire rope: 5mm OD, 1 X 19/7 X 20		156.0		25.00 25.00	3900.00
5	Wire Rope for Shade Net Supp PP/PET/Polyester rope	ort	2.5mm OD	156 704	704.0		3.00	2112.00
6	GALVALUME PROFILE		0.6mm thick/100-120GSM	120	120		45.00	5400.00
7	Zig-zag Spring Insert		2.5mm OD GI/PP COATED	120	240		10.00	2400.00
8	Manual Retraction Pulleys and PP R	one	AS PER SPECIFICATIONS		525.0		10.00	5250.00
9	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM	704	28.2	-	52.00	1464.32
_	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19	701	198		18.00	3564.00
	Drip Irrigation System including Fog	gers	AS PER SPECIFICATIONS			sq.m	71.00	37275.00
	, , , ,					OTAL-C		78425.32
	TOTAL STRUCTURAL MATER	RIAL COST				AL- (A+B+C	)	260865.45
					SALES TAX	X(CST/VAT)	= 5%	13043.27
					TO	TAL-(ABC)		273908.72
D	FOUNDATION MATER	IALS						
1	Foundations for corridors		B300 GRADE CC: 15" X 6'	32	6.36	cu meter	5500.00	34971.75
2	Foundations for Outer column	ns	B300 GRADE CC: 15" X 5'	16	2.65	cu meter	5500.00	14571.56
3	Foundations for Inner column	S	B300 GRADE CC: 12" X 1m	3		cu meter	5500.00	1165.73
4	Flooring inside Double Door E	ntry	Brick work + CC - 3m x 4m x 0.1m	12		cu meter	12000.00	14400.00
					Т	OTAL-D		65109.04
E	LABOR COST							
1	Foundation		6'/5'/1m depth x 15" & 12"	ļ		Nos	150.00	7650.00
	FABRICATION CHARGES		As per design requirement			sq.m	50.00	26250.00
3	INSTALLATION CHARGES		As per design requirement	<u> </u>	525	sq.m	50.00	26250.00
4	TRANSPORTATION CHARGES			1				10000.00
				SUB-TOTAL-E				70150.00
				SERVICE TAX = 15%				10522.50
<u> </u>			16 1 1 1 1 1	TOTAL-E				80672.50
F	INSURANCE	Standar	d fire and special perils policy					1049.23
				GRAND TOTAL				420739.48
				COST PER SQ.M Unit Cost Limited to Rs.				801.41
Unit Cost Limited to Rs.						710.00		

FIAT	TOP NET HEIGHT ABOVE GROUND		GRID SIZE: 8m X 5m			AL AREA :	1015	sa m
						AL ANEA .	1015	sq.m
S.No	Description GABLE LENGTH	Qty Unit 8 m	Description  NET GABLE LENGTH	Qty 24	Unit			
2	SHADE SPAN WIDTH	5 m	NET SHADE SPAN WIDTH			_	_	NET HOUSE
3	No.OF GABLES	3 No	NET CULTIVABLE AREA		sq.m	WITH	I CABLE PUF	
5	No.OF SHADE SPANS BALCONY ON FOUR SIDES	6 No 2.5 m	GROSS GABLE LENGTH GROSS SHADE SPAN WIDTH				ALUMINE	Τ
6	Height of NET HOUSE	4 m	GROSS SHADE AREA		sq.m			
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS							
1	Wire Rope Stay rod/LIP-C PROFILE		14mm OD x 2m/LIP-C :3mm/1.5m	48	48.0	Nos	250.00	12000.00
2	Foundations for Outer Columns		OD:76mm/SHS:50X50/3.0mm/0.6m	24	108.0	kg	65.00	7020.00
3	Outer Columns		OD: 90 mm/SHS:60X60/2.5mm/4m	24	528.0	kg	65.00	34320.00
4	Inner Columns		OD: 60mm/SHS:50X50/2mm/5m	10	150.0	kg	65.00	9750.00
5	HUMAN ENTRY - Double Door Syste	em	GI Frame work 4m x 3m x 2m	1	1	set	20000.00	20000.00
6	CLAMPS, COUPLERS AND ALL HARD	WARE	2.5mm thick/300 GSM	LS	1015	sq.m	20.00	20300.00
					SUE	B-TOTAL-A		103390.00
				EXCISE DUTY = 12.5%			.5%	12923.75
				TOTAL-A			116313.75	
В	CLADDING MATERIALS			1	ı	ı		
1	OPTINET OR EQUIVALENT ON		OPTINET: 40MESH 120 GSM/ WHITE C			sq.m	70.00	59623.20
2	OPTINET OR EQUIVALENT ON		OPTINET: 40MESH 120 GSM/ WHITE C			sq.m	70.00	61740.00
3	ALUMINET OR EQUIVALENT AS SECON	D LAYER	ALUMINET- 50% SHADE : 80GSM	852		sq.m	80.00	68140.80
<u> </u>	OTHER MATERIAL C				Т	OTAL-B		189504.00
C	OTHER MATERIALS		CI William 1999 Court OD 4 V 40 /7 V 40	10	200.0	1	20.00	0040.00
1	Anchoring rope		GI Wire rope: 6mm OD, 1 X 19/7 X 19	48	288.0		30.00	8640.00
2	Anchoring rope		GI Wire rope: 5mm OD, 1 X 19/7 X 19	48	240.0		25.00	6000.00
3	Cable Purlin		GI Wire rope: 5mm OD, 1 X 19/7 X 19	534	534.0		25.00	13350.00 7750.00
4	Wire Rope for Shade Net Supp	ort	GI Wire rope: 5mm OD, 1 X 19/7 X 20 2.5mm OD	310	310.0 1584.0		25.00 3.00	4752.00
5 6	PP/PET/Polyester rope GALVALUME PROFILE			1584	1384.0			5400.00
7	Zig-zag Spring Insert		0.6mm thick/100-120GSM	120	240		45.00 10.00	2400.00
8	Manual Retraction Pulleys and PP R	one	2.5mm OD GI/PP COATED AS PER SPECIFICATIONS		1015.0		10.00	10150.00
9	GI WIRE FOR TRELLISING	орс	2.5mm OD/ 50-70 GSM	1584	63.4	•	52.00	3294.72
	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19	1304	400.4	-	18.00	7207.20
	Drip Irrigation System including Fog	gers	AS PER SPECIFICATIONS			sq.m	71.00	72065.00
	h 0 1/111 111 0 10		No Ferror Edition (France)			OTAL-C	71.00	141008.92
	TOTAL STRUCTURAL MATER	RIAL COST				AL- (A+B+C	)	446826.67
						X(CST/VAT)		22341.33
						TAL-(ABC)		469168.00
D	FOUNDATION MATER	IALS		•				
1	Foundations for corridors		B300 GRADE CC: 15" X 6'	48	9.54	cu meter	5500.00	52457.63
2	Foundations for Outer column	ns	B300 GRADE CC: 15" X 5'	24	3.97	cu meter	5500.00	21857.34
3	Foundations for Inner column	S	B300 GRADE CC: 12" X 1m	10	0.71	cu meter	5500.00	3885.75
4	Flooring inside Double Door E	ntry	Brick work + CC - 3m x 4m x 0.1m	12	1.2	cu meter	12000.00	14400.00
					Т	OTAL-D		92600.72
E	LABOR COST							
1	Foundation		6'/5'/1m depth x 15" & 12"			Nos	150.00	12300.00
	FABRICATION CHARGES		As per design requirement			sq.m	50.00	50750.00
3	INSTALLATION CHARGES		As per design requirement		1015	sq.m	50.00	50750.00
4	TRANSPORTATION CHARGES			1				15000.00
				SUB-TOTAL-E			128800.00	
				SERVICE TAX = 15%				19320.00
<u> </u>		<u> </u>	10 1	TOTAL-E				148120.00
F	INSURANCE	Standar	d fire and special perils policy					1774.72
				GRAND TOTAL				711663.44
				COST PER SQ.M				701.15
Unit Cost Limited to Rs.						710.00		

FLAT	TOP NET HEIGHT ABOVE GROUND	LEVEL 4 m	GRID SIZE: 8m X 5m		тот	AL AREA :	2025	sq.m
S.No	Description	Qty Unit	Description	Qty	Unit			•
1	GABLE LENGTH	•	NET GABLE LENGTH			CTANDA	DD CHADE	NET HOUSE
2	SHADE SPAN WIDTH	5 m	NET SHADE SPAN WIDTH	40		_	-	NET HOUSE
3	No.OF GABLES	5 No	NET CULTIVABLE AREA	1600	_	WITE	I CABLE PUF	
<u>4</u> 5	No.OF SHADE SPANS BALCONY ON FOUR SIDES	8 No 2.5 m	GROSS GABLE LENGTH GROSS SHADE SPAN WIDTH			1	ALUMINE	T
6	Height of NET HOUSE	4 m	GROSS SHADE AREA	2025				
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS			ı				
1	Wire Rope Stay rod/LIP-C PROFILE		14mm OD x 2m/LIP-C :3mm/1.5m	72	72.0	Nos	250.00	18000.00
2	Foundations for Outer Columns		OD:76mm/SHS:50X50/3.0mm/0.6m	36	162.0	kg	65.00	10530.00
3	Outer Columns		OD: 90 mm/SHS:60X60/2.5mm/4m	36	792.0	kg	65.00	51480.00
4	Inner Columns		OD: 60mm/SHS:50X50/2mm/5m	28	420.0	kg	65.00	27300.00
5	HUMAN ENTRY - Double Door Syste	em	GI Frame work 4m x 3m x 2m	1	1	set	20000.00	20000.00
6	TRACTOR ENTRY		GI Frame work 2.7m x 2.7m	1	1	set	14000.00	14000.00
7	CLAMPS, COUPLERS AND ALL HARD	WARE	2.5mm thick/300 GSM	LS	2025	sq.m	20.00	40500.00
					SUI	B-TOTAL-A		181810.00
				EXCISE DUTY = 12.5%				22726.25
				TOTAL-A			204536.25	
-	CLADDING MATERIALS		<u> </u>	T		T		
	OPTINET OR EQUIVALENT ON		OPTINET: 40MESH 120 GSM/ WHITE C		1834.6	<u> </u>	70.00	128419.20
	OPTINET OR EQUIVALENT ON S		OPTINET: 40MESH 120 GSM/ WHITE C		1209.6	<u> </u>	70.00	84672.00
3	ALUMINET OR EQUIVALENT AS SECON	D LAYER	ALUMINET- 50% SHADE : 80GSM	1834.6	1834.6	•	80.00	146764.80
	OTHER MATERIAL C					OTAL-B		359856.00
	OTHER MATERIALS		GI Wire rope: 6mm OD, 1 X 19/7 X 19	72	422.0	I	20.00	12960.00
-	Anchoring rope		GI Wire rope: 5mm OD, 1 X 19/7 X 19	72 72	432.0 360.0		30.00 25.00	9000.00
-	Anchoring rope Cable Purlin		GI Wire rope: 5mm OD, 1 X 19/7 X 19	1020	1020.0		25.00	25500.00
<b>—</b>	Wire Rope for Shade Net Supp	ort	GI Wire rope: 5mm OD, 1 X 19/7 X 20	630	630.0		25.00	15750.00
	PP/PET/Polyester rope	.010	2.5mm OD	3520	3520.0		3.00	10560.00
	GALVALUME PROFILE		0.6mm thick/100-120GSM	120	120		45.00	5400.00
7	Zig-zag Spring Insert		2.5mm OD GI/PP COATED		240	1	10.00	2400.00
8	Semi-automatic Shade net retractio	n system	AS PER SPECIFICATIONS		2025.0	sq.m	80.00	162000.00
9	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM	3520	140.8	kg	52.00	7321.60
10	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		831.6	m	18.00	14968.80
11	Drip Irrigation System including Fog	gers	AS PER SPECIFICATIONS		2025	sq.m	71.00	143775.00
					7	TOTAL-C		409635.40
	TOTAL STRUCTURAL MATER	RIAL COST			TOT	AL- (A+B+C	)	974027.65
						X(CST/VAT)	= 5%	48701.38
					TO	TAL-(ABC)		1022729.03
D	FOUNDATION MATER	IALS	DOOD CDADE CC. 4511 V.C.	70	4421		FF00 00	70.000.44
-	Foundations for corridors		B300 GRADE CC: 15" X 6'	72		cu meter	5500.00	78686.44
$\vdash$	Foundations for Outer column Foundations for Inner column		B300 GRADE CC: 15" X 5' B300 GRADE CC: 12" X 1m	36 28		cu meter	5500.00 5500.00	32786.02 10880.10
	Flooring inside Double Door E		Brick work + CC - 3m x 4m x 0.1m	12		cu meter	12000.00	14400.00
	THOUTING HISIAC DOUBLE DOULL	у	Brick WORK + CC - SIII X HIII X U.IIII	12		OTAL-D	12000.00	136752.55
E	LABOUR COST					<u> </u>		22.22.33
-	Foundation		6'/5'/1m depth x 15" & 12"		136	Nos	150.00	20400.00
-	FABRICATION CHARGES		As per design requirement			sq.m	40.00	81000.00
	INSTALLATION CHARGES		As per design requirement			sq.m	40.00	81000.00
4	TRANSPORTATION CHARGES							20000.00
				SUB-TOTAL-E				202400.00
				SERVICE TAX = 15%				30360.00
				TOTAL-E				232760.00
F	INSURANCE	Standar	d fire and special perils policy	0.25% of Unit Cost				3480.60
				GRAND TOTAL				1395722.19
<u> </u>				COST PER SQ.M				689.25
Unit Cost Limited to Rs.						689.00		

			ADE NETHOUSE WITH C	TOLL !				
FLAT	TOP NET HEIGHT ABOVE GROUND	LEVEL 4 m	GRID SIZE: 8m X 5m		тоти	AL AREA :	2915	sq.m
S.No	Description	Qty Unit	Description	Qty	Unit			
1	GABLE LENGTH	8 m	NET GABLE LENGTH			STANDA	ARD SHADE	<b>NET HOUSE</b>
3	SHADE SPAN WIDTH No.OF GABLES	5 m 6 No	NET SHADE SPAN WIDTH NET CULTIVABLE AREA		m sq.m	WITE	I CABLE PUR	RIIN AND
4	No.OF SHADE SPANS	10 No	GROSS GABLE LENGTH			******		
5	BALCONY ON FOUR SIDES	2.5 m	GROSS SHADE SPAN WIDTH				ALUMINE	: 1
6	Height of NET HOUSE	4 m	GROSS SHADE AREA	2915	sq.m			
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS							
1	Wire Rope Stay rod/LIP-C PROFILE		14mm OD x 2m/LIP-C :3mm/1.5m	88	88.0	Nos	250.00	22000.00
2	Foundations for Outer Columns		OD:76mm/SHS:50X50/3.0mm/0.6m	44	198.0	kg	65.00	12870.00
3	Outer Columns		OD: 90 mm/SHS:60X60/2.5mm/4m	44	968.0	kg	65.00	62920.00
4	Inner Columns		OD: 60mm/SHS:50X50/2mm/5m	45	675.0	kg	65.00	43875.00
5	HUMAN ENTRY - Double Door Syste	em	GI Frame work 4m x 3m x 2m	1	1	set	20000.00	20000.00
6	TRACTOR ENTRY		GI Frame work 2.7m x 2.7m	1	1	set	14000.00	14000.00
7	CLAMPS, COUPLERS AND ALL HARD	WARE	2.5mm thick/300 GSM	LS	2915	sq.m	20.00	58300.00
					SUE	B-TOTAL-A		233965.00
				EXCISE DUTY = 12.5%			.5%	29245.63
				TOTAL-A				263210.63
В	CLADDING MATERIALS			TOTAL-A				
1	OPTINET OR EQUIVALENT ON	ТОР	OPTINET: 40MESH 120 GSM/ WHITE O	2730	2730	sq.m	70.00	191100.00
2	OPTINET OR EQUIVALENT ON	SIDES	OPTINET: 40MESH 120 GSM/ WHITE O	1436.4	1436.4	sq.m	70.00	100548.00
3	ALUMINET OR EQUIVALENT AS SECON	D LAYER	ALUMINET- 50% SHADE : 80GSM	2730			80.00	218400.00
						OTAL-B		510048.00
С	OTHER MATERIALS			1				
1	Anchoring rope		GI Wire rope: 6mm OD, 1 X 19/7 X 19	88	528.0	m	30.00	15840.00
2	Anchoring rope		GI Wire rope: 5mm OD, 1 X 19/7 X 19	88	440.0	m	25.00	11000.00
3	Cable Purlin		GI Wire rope: 5mm OD, 1 X 19/7 X 19	1442	1442.0	m	25.00	36050.00
4	Wire Rope for Shade Net Supp	ort	GI Wire rope: 5mm OD, 1 X 19/7 X 20	914	914.0	m	25.00	22850.00
5	PP/PET/Polyester rope		2.5mm OD	5280	5280.0	m	3.00	15840.00
6	GALVALUME PROFILE		0.6mm thick/100-120GSM	120	120		45.00	5400.00
7	Zig-zag Spring Insert		2.5mm OD GI/PP COATED		240		10.00	2400.00
8	Semi-automatic Shade net retraction	n system	AS PER SPECIFICATIONS		2915.0	sa.m	70.00	204050.00
9	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM	5280	211.2		52.00	10982.40
10	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		1210		18.00	21780.00
11	Drip Irrigation System including Fog	gers	AS PER SPECIFICATIONS			sq.m	71.00	206965.00
						OTAL-C	7 - 100	553157.40
	TOTAL STRUCTURAL MATER	RIAL COST				AL- (A+B+C	)	1326416.03
						((CST/VAT)		66320.80
						TAL-(ABC)		1392736.83
D	FOUNDATION MATER	IALS		•				
1	Foundations for corridors		B300 GRADE CC: 15" X 6'	88	17.49	cu meter	5500.00	96172.31
2	Foundations for Outer column	ns	B300 GRADE CC: 15" X 5'	44		cu meter	5500.00	40071.80
3	Foundations for Inner column	s	B300 GRADE CC: 12" X 1m	45	3.18	cu meter	5500.00	17485.88
4	Flooring inside Double Door E	ntry	Brick work + CC - 3m x 4m x 0.1m	12	1.2	cu meter	12000.00	14400.00
					Т	OTAL-D		168129.98
E	LABOUR COST							
1	Foundation		6'/5'/1m depth x 15" & 12"		177	Nos	150.00	26550.00
2	FABRICATION CHARGES		As per design requirement		2915	sq.m	40.00	116600.00
3	INSTALLATION CHARGES		As per design requirement		2915		40.00	116600.00
4	TRANSPORTATION CHARGES							25000.00
					SUE	3-TOTAL-E		284750.00
				SERVICE TAX = 15%				42712.50
				TOTAL-E				327462.50
F	INSURANCE	Standar	d fire and special perils policy		0.25%	of Unit Co	st	4720.82
			face barrel	GRAND TOTAL				1893050.13
				COST PER SQ.M				649.42
Unit Cost Limited to Rs.					649.00			

FLAT	TOP NET HEIGHT ABOVE GROUND	LEVEL 4 m	GRID SIZE: 8m X 5m			AL AREA :	3965	sa.m
CNA	Description	Otre Unit		04			5555	
S.No	Description GABLE LENGTH	Qty Unit 8 m	Description  NET GABLE LENGTH	Qty 56	Unit m	CTANDA	DD CHADE	NET LIQUE
2	SHADE SPAN WIDTH	5 m	NET SHADE SPAN WIDTH	60		_	_	NET HOUSE
3	No.OF GABLES	7 No	NET CULTIVABLE AREA	3360	_	WITH	I CABLE PUR	
<u>4</u> 5	No.OF SHADE SPANS BALCONY ON FOUR SIDES	12 No 2.5 m	GROSS GABLE LENGTH GROSS SHADE SPAN WIDTH	61 65			ALUMINE	T
6	Height of NET HOUSE	4 m	GROSS SHADE AREA	3965				
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS							
1	Wire Rope Stay rod/LIP-C PROFILE		14mm OD x 2m/LIP-C :3mm/1.5m	104	104.0	Nos	250.00	26000.00
2	Foundations for Outer Columns		OD:76mm/SHS:50X50/3.0mm/0.6m	52	234.0	kg	65.00	15210.00
3	Outer Columns		OD: 90 mm/SHS:60X60/2.5mm/4m	52	1144.0		65.00	74360.00
4	Inner Columns		OD: 60mm/SHS:50X50/2mm/5m	66	990.0	ŭ	65.00	64350.00
5	HUMAN ENTRY - Double Door Syste	em	GI Frame work 4m x 3m x 2m	1		set	20000.00	20000.00
-	TRACTOR ENTRY		GI Frame work 2.7m x 2.7m	1	1	set	14000.00	14000.00
7	CLAMPS, COUPLERS AND ALL HARD	WARE	2.5mm thick/300 GSM	LS	3965	sq.m	20.00	79300.00
					SUE	B-TOTAL-A		293220.00
					EXCISE	DUTY = 12.	5%	36652.50
				TOTAL-A				329872.50
В	CLADDING MATERIALS							
1	OPTINET OR EQUIVALENT ON	ТОР	OPTINET: 40MESH 120 GSM/ WHITE C	3800.2	3800.2	sq.m	70.00	266011.20
2	OPTINET OR EQUIVALENT ON	SIDES	OPTINET: 40MESH 120 GSM/ WHITE C	1663.2	1663.2	sq.m	70.00	116424.00
3	ALUMINET OR EQUIVALENT AS SECON	D LAYER	ALUMINET- 50% SHADE : 80GSM	3800.2	3800.2	sq.m	80.00	304012.80
					T	OTAL-B		686448.00
С	OTHER MATERIALS							
1	Anchoring rope		GI Wire rope: 6mm OD, 1 X 19/7 X 19	104	624.0	m	30.00	18720.00
_	Anchoring rope		GI Wire rope: 5mm OD, 1 X 19/7 X 19	104	520.0	m	25.00	13000.00
3	Cable Purlin		GI Wire rope: 5mm OD, 1 X 19/7 X 19	1936	1936.0	m	25.00	48400.00
4	Wire Rope for Shade Net Supp	ort	GI Wire rope: 5mm OD, 1 X 19/7 X 20	1250	1250.0	m	25.00	31250.00
-	PP/PET/Polyester rope		2.5mm OD	7392	7392.0		3.00	22176.00
-	GALVALUME PROFILE		0.6mm thick/100-120GSM	120	120		45.00	5400.00
-	Zig-zag Spring Insert		2.5mm OD GI/PP COATED		240		10.00	2400.00
<del>-</del>	Semi-automatic Shade net retraction	n system	AS PER SPECIFICATIONS		3965.0	-	60.00	237900.00
-	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM	7392	295.7		52.00	15375.36
-	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		1658.8		18.00	29858.40
11	Drip Irrigation System including Fog	gers	AS PER SPECIFICATIONS			sq.m	71.00	281515.00
						OTAL-C		705994.76
	TOTAL STRUCTURAL MATER	RIAL COST		,		AL- (A+B+C)		1722315.26
				3		X(CST/VAT)	= 5%	86115.76 <b>1808431.02</b>
D	FOUNDATION MATER	IAIC			10	TAL-(ABC)		1000431.02
-	Foundations for corridors	IALJ	B300 GRADE CC: 15" X 6'	104	20.67	cu meter	5500.00	113658.19
H	Foundations for Outer column	ns	B300 GRADE CC: 15" X 5'	52		cu meter	5500.00	47357.58
-	Foundations for Inner column		B300 GRADE CC: 12" X 1m	66		cu meter	5500.00	25645.95
$\vdash$	Flooring inside Double Door E		Brick work + CC - 3m x 4m x 0.1m	12		cu meter	12000.00	14400.00
	- 5g	<del> 1</del>				OTAL-D		201061.72
Е	LABOUR COST					_		
-	Foundation		6'/5'/1m depth x 15" & 12"		222	Nos	150.00	33300.00
-	FABRICATION CHARGES		As per design requirement			sq.m	40.00	158600.00
	INSTALLATION CHARGES		As per design requirement			sq.m	40.00	158600.00
	TRANSPORTATION CHARGES		· · · · · ·	•				30000.00
				SUB-TOTAL-E				380500.00
				SERVICE TAX = 15%				57075.00
					437575.00			
F	INSURANCE	Standar	d fire and special perils policy		0.25%	of Unit Co	st	6117.67
				GRAND TOTAL				2453185.41
L				COST PER SQ.M				618.71
					<b>Unit Cos</b>	t Limited to	o Rs.	618.00

### BOM OF MULTI-PURPOSE SHADE NET HOUSE

		DOM OF	MULTI-PURPOSE SHAD	CNEI	пообі				
FLAT	TOP NET HEIGHT ABOVE GROUND	LEVEL 4 m	GRID SIZE: 6m X 6m		TOT	AL AREA :	529	sq.m	
S.No	Description	Qty Unit	Description		Unit				
1	GABLE LENGTH	6 m	NET GABLE LENGTH						
2	SHADE SPAN WIDTH		NET SHADE SPAN WIDTH			MULTI-	PURPOSE S	HADE NET	
3	No.OF GABLES No.OF SHADE SPANS	3 No 3 No	NET CULTIVABLE AREA GROSS GABLE LENGTH		sq.m	HOUSE	WITH PIPE	<b>PURLINS</b>	
5	BALCONY ON FOUR SIDES		GROSS SHADE SPAN LENGTH			1			
6	Height of NET HOUSE	4 m	GROSS SHADE AREA		sq.m				
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount	
Α	STRUCTURAL MATERIALS								
1	Foundations for Balcony pipes		OD: 48mm/3mm/1.2m	16	67.2	kg	65.00	4368.00	
	Foundations for Outer Column		OD: 48mm/3mm/1m	12	42.0		65.00	2730.00	
	Inner Columns		OD: 60mm/2mm/5m	4	60.0		65.00	3900.00	
	Outer Columns		OD: 60mm/2mm/4m	12	144.0		65.00	9360.0	
	Truss Pipe (Along the gable)		OD: 48mm/2mm/6m	12	169.2	_	65.00	10998.0	
			OD: 48mm/2mm/6m	12	169.2		65.00	10998.00	
	Purlin Pipe (Across the gable)					_			
	Corridor/Balcony Pipe		OD: 60mm/2mm/4.8m	16	230.4		65.00	14976.00	
	Horizontal Member in Corrido	r	OD: 33mm/2mm/1.2m	16	30.7		65.00	1996.80	
	Knee bracing at all columns		OD: 33mm/2mm/1.2m	48	92.2		65.00	5990.40	
10	HUMAN ENTRY		Double Door System	1		set	15000.00	15000.00	
11	CLAMPS, COUPLERS AND ALL HARDWA	ARE ITEMS	2.5mm thick/300 GSM	LS	529	sq.m	20.00	10580.00	
					SUB	-TOTAL-A		90897.20	
						DUTY = 12.5	5%	11362.1	
_					T	OTAL-A		102259.3	
	CLADDING MATERIALS	_				1	<del>-</del>		
	MONOFILAMENT NET ON TO	Р	105 GSM/ WHITE COLOR/6.2m	390.6	390.6		36.00	14061.6	
2	INSECT PROOF NET ON SIDES		105 GSM/ WHITE COLOR/6.0m	655.2	655.2	sq.m	40.00	26208.00	
3	Shade net (Tape Type as secor	nd layer)	35%/50%-90GSM-WHITE/GREEN/BLACK	390.6	390.6	sq.m	25.00	9765.0	
					T	OTAL-B	TAL-B		
	OTHER MATERIALS					1			
	GALVALUME PROFILE		0.6mm thick/100-120GSM	250	250	m	45.00	11250.00	
2	Zig-zag Spring Insert		2.5mm OD GI/PP COATED		500		10.00	5000.00	
3	GI WIRE FOR SHADE NET		2.5mm OD/ 50-70 GSM		15.8	kg	52.00	823.68	
4	Manual Retraction Pulleys and PP R	ope	AS PER SPECIFICATIONS		529.0	sq.m	10.00	5290.00	
5	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM		31.7	kg	52.00	1647.3	
6	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		176	m	18.00	3168.0	
7	Drip Irrigation System		AS PER SPECIFICATIONS		529	sq.m	35.00	18515.00	
8	Over head sprinkler system		AS PER SPECIFICATIONS			sq.m	25.00	13225.00	
9	Micro Tunnel Assembly		100 micron polyfilm along with components		270	sq.m	60.00	16200.00	
10	Vegetable seedling Tray (4nos	/Sqmt)	98/104 cavity/0.7mm thick		1444.5	Nos	14.00	20223.00	
	J , (		,,			OTAL-C		95342.0	
	TOTAL STRUCTURAL MATER	RIAL COST			TOTA	L- (A+B+C)		247635.99	
				S	ALES TAX	(CST/VAT)	= 5%	12381.80	
						AL-(ABC)		260017.7	
D	FOUNDATION MATER	IALS							
	Foundations for corridors		Cement Concrete: 1:2:4	16	3.26	cu meter	5500.00	17955.2	
2	Foundations for Outer column	ns	Cement Concrete: 1:2:4	12	2.04	cu meter	5500.00	11222.0	
3	Foundations for Inner column	S	Cement Concrete: 1:2:4	4		cu meter	5500.00	1398.87	
	14888 202				T	OTAL-D	<del></del>	30576.19	
E 1	LABOR COST Foundation		61/E1/21 danth v 4E11 0 4211		22	Nos	150.00	4000.0	
			6'/5'/3' depth x 15" & 12"			Nos	150.00	4800.00	
	FABRICATION CHARGES		As per design requirement			sq.m	50.00	26450.00	
	INSTALLATION CHARGES		As per design requirement		529	sq.m	50.00	26450.00	
4	TRANSPORTATION CHARGES				CIID	ι-ΤΟΤΔΙ -Ε		10000.0	
				SUB-TOTAL-E SERVICE TAX = 15%				10155.0	
					77855.0				
F	INSURANCE	Standar	d fire and special perils policy		921.12				
Г	INSURANCE	Statiudi	a me and special perils policy		369370.1				
					AND	ND TOTAL		3033/U.L	
						PER SQ.M		698.2	

### BOM OF MULTI-PURPOSE SHADE NET HOUSE

		BOW OF	MULTI-PURPOSE SHAD	ENEI			,	
FLAT	TOP NET HEIGHT ABOVE GROUND	LEVEL 4 m	GRID SIZE: 6m X 6m		тот	AL AREA :	1015	sq.m
	Description	Qty Unit	Description	Qty	Unit			
1	GABLE LENGTH	6 m	NET GABLE LENGTH					
3	SHADE SPAN WIDTH No.OF GABLES	6 m 5 No	NET SHADE SPAN WIDTH NET CULTIVABLE AREA		sq.m	_		HADE NET
4	No.OF SHADE SPANS	4 No	GROSS GABLE LENGTH	35		HOUSI	WITH PIP	E PURLINS
5	BALCONY ON FOUR SIDES	2.5 m	GROSS SHADE SPAN LENGTH					
6	Height of NET HOUSE	4 m	GROSS SHADE AREA					
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS		T	T	ī	1	П	
	Foundations for Balcony pipes		OD: 48mm/3mm/1.2m	22	92.4	-	65.00	6006.0
	Foundations for Outer Column	ıs	OD: 48mm/3mm/1m	18	63.0		65.00	4095.00
	Inner Columns		OD: 60mm/2mm/5m	12	180.0		65.00	11700.0
	Outer Columns		OD: 60mm/2mm/4m	18	216.0		65.00	14040.00
	Truss Pipe (Along the gable)		OD: 48mm/2mm/6m	25	352.5		65.00	22912.50
7	Purlin Pipe (Across the gable)		OD: 48mm/2mm/6m	24	338.4		65.00	21996.00
8	Corridor/Balcony Pipe	_	OD: 60mm/2mm/4.8m	22	316.8		65.00	2745.60
	Horizontal Member in Corrido	r	OD: 33mm/2mm/1.2m OD: 33mm/2mm/1.2m	22 98	42.2		65.00 65.00	12230.4
	Knee bracing at all columns HUMAN ENTRY		Double Door System	98	188.2	set	15000.00	15000.0
	CLAMPS, COUPLERS AND ALL HARDWA	ARE ITEMS	2.5mm thick/300 GSM	APD		sq.m	20.00	20300.0
**	AMPS, COUPLERS AND ALL HARDWARE HEMS		2.5/IIIII UIICN/300 G3IVI	AFD		-TOTAL-A	20.00	151617.5
						DUTY = 12.	5%	18952.1
				<u> </u>		OTAL-A	J/0	170569.6
В	CLADDING MATERIALS		l	I.				_, 5555.0.
	MONOFILAMENT NET ON TO	P	105 GSM/ WHITE COLOR/6.2m	833.28	833.28	sg.m	36.00	29998.0
	INSECT PROOF NET ON SIDES		105 GSM/ WHITE COLOR/6.0m	882		sq.m	40.00	35280.0
3	Shade net (Tape Type as secon	nd laver)	35%/50%-90GSM-WHITE/GREEN/BLACK	833.28	833.28		25.00	20832.0
		, , , ,				OTAL-B		86110.0
С	OTHER MATERIALS				•	01712.0		0011010
	GALVALUME PROFILE		0.6mm thick/100-120GSM	342	342	m	45.00	15390.0
	Zig-zag Spring Insert		2.5mm OD GI/PP COATED	<u> </u>	684	<del>                                     </del>	10.00	6840.0
	GI WIRE FOR SHADE NET		2.5mm OD/ 50-70 GSM		34.3		52.00	1784.6
4	Manual Retraction Pulleys and PP R	оре	AS PER SPECIFICATIONS		1015.0		10.00	10150.0
	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM		68.6		52.00	3569.2
	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		352		18.00	6336.0
	Drip Irrigation System		AS PER SPECIFICATIONS			sq.m	35.00	35525.0
8	Over head sprinkler system		AS PER SPECIFICATIONS		1015	sq.m	25.00	25375.0
9	Micro Tunnel Assembly		100 micron polyfilm along with components			sq.m	60.00	36000.0
10	Vegetable seedling Tray (4nos	/Sqmt)	98/104 cavity/0.7mm thick		3210	Nos	14.00	44940.00
	5 17( 155	. ,	,,			OTAL-C		185909.9
	TOTAL STRUCTURAL MATER	RIAL COST			TOTA	L- (A+B+C)		442589.69
				S	ALES TAX	(CST/VAT)	= 5%	22129.4
					TOT	AL-(ABC)		464719.1
D	FOUNDATION MATER	IALS				1		
1	Foundations for corridors		Cement Concrete: 1:2:4	22		cu meter	5500.00	24688.5
2	Foundations for Outer column		Cement Concrete: 1:2:4	18		cu meter	5500.00	16833.0
3	Foundations for Inner column	IS	Cement Concrete: 1:2:4	12		cu meter	5500.00	4196.6
					T	OTAL-D		45718.1
E	LABOR COST		CI/EI/OI denti 4EII 0 40II			Nec	450.00	7000
1	Foundation CHARGES		6'/5'/3' depth x 15" & 12"	1		Nos	150.00	7800.0
	FABRICATION CHARGES		As per design requirement			sq.m	50.00	50750.0
	INSTALLATION CHARGES		As per design requirement		1015	sq.m	50.00	50750.0
4	TRANSPORTATION CHARGES			SIID TOTAL E			15000.0 124300.0	
				SUB-TOTAL-E SERVICE TAX = 15%				18645.0
				1	142945.0			
F	INSURANCE	Standar	I d fire and special perils policy			OTAL-E of Unit Cos	st	1633.4
•		Juliudi	a me and special perils policy	<u> </u>		ND TOTAL		655015.8
						PER SQ.M		645.3
				-		Limited to		645.0
THE FOL	LOWING COMPONENTS ARE ALLOWED	AS SUBSTITES	BASED ON THEIR PHYSICAL INSTALLATION				-	3.5.0
	INSECT PROOF NET ON TOP		105 GSM/ WHITE COLOR/6.2m		833.28	sq.m	40.00	33331.2
ote:	Micro Tunnels and Vegetable Seedling	Travs supply is	limited to the Net Cultivable Area only					

Note: Micro Tunnels and Vegetable Seedling Trays supply is limited to the Net Cultivable Area only. In any instance, the subsidy component cannot exceed Rs.355/- per sq.m

#### **BOM OF MULTI-PURPOSE SHADE NET HOUSE**

		BOW OF	MULTI-PURPOSE SHAD	E NET HOUSE					
FLAT	TOP NET HEIGHT ABOVE GROUND	LEVEL 4 m	GRID SIZE: 6m X 6m		тот	AL AREA :	1927	sq.m	
S.No	Description	Qty Unit	Description		Unit				
1	GABLE LENGTH	6 m	NET GABLE LENGTH	36	m	]			
2	SHADE SPAN WIDTH	6 m	NET SHADE SPAN WIDTH			MULTI-	PURPOSE S	JRPOSE SHADE NET	
3	No.OF GABLES No.OF SHADE SPANS	6 No 7 No	NET CULTIVABLE AREA GROSS GABLE LENGTH			HOUSE	WITH PIP	E PURLINS	
5	BALCONY ON FOUR SIDES	2.5 m	GROSS SHADE SPAN LENGTH	47	m	•			
6	Height of NET HOUSE	4 m	GROSS SHADE AREA	1927	sq.m				
S.No	Description		Specification	Nos Qty Unit Rate			Rate	Amount	
Α	STRUCTURAL MATERIALS								
1	Foundations for Balcony pipes		OD: 48mm/3mm/1.2m	30	126.0	kg	65.00	8190.00	
2	Foundations for Outer Column	S	OD: 48mm/3mm/1m	26	91.0		65.00	5915.00	
	Inner Columns		OD: 60mm/2mm/5m	30	450.0	1 -	65.00	29250.00	
	Outer Columns		OD: 60mm/2mm/4m	26	312.0	kg	65.00	20280.00	
	Truss Pipe (Along the gable)		OD: 48mm/2mm/6m	48	676.8		65.00	43992.00	
6	Purlin Pipe (Across the gable)		OD: 48mm/2mm/6m	49	690.9	kg	65.00	44908.50	
7	Corridor/Balcony Pipe		OD: 60mm/2mm/4.8m	30	432.0	kg	65.00	28080.00	
8	Horizontal Member in Corrido	r	OD: 33mm/2mm/1.2m	30	57.6	ŭ	65.00	3744.00	
	Knee bracing at all columns		OD: 33mm/2mm/1.2m	194	372.5	kg	65.00	24211.20	
10	HUMAN ENTRY		Double Door System	1	1	set	15000.00	15000.00	
11	TRACTOR ENTRY		AS PER SPECIFICATIONS	1		set	11000.00	11000.00	
12	CLAMPS, COUPLERS AND ALL HARDWA	RE ITEMS	2.5mm thick/300 GSM	APD	1927	sq.m	20.00	38540.00	
					SUB	-TOTAL-A		273110.70	
					EXCISE I	DUTY = 12.5	5%	34138.84	
					T	OTAL-A		307249.54	
	CLADDING MATERIALS								
1	MONOFILAMENT NET ON TO	<b>)</b>	105 GSM/ WHITE COLOR/6.2m	1731.7	1731.7		36.00	62339.76	
	INSECT PROOF NET ON SIDES		105 GSM/ WHITE COLOR/6.0m	1184.4	1184.4		40.00	47376.00	
3	Shade net (Tape Type as secor	id layer)	35%/50%-90GSM-WHITE/GREEN/BLACK	1731.7		7 sq.m 25.00		43291.50	
					T	OTAL-B		153007.26	
	OTHER MATERIALS			1		1			
1	GALVALUME PROFILE		0.6mm thick/100-120GSM	522	522		45.00	23490.00	
	Zig-zag Spring Insert		2.5mm OD GI/PP COATED		1044		10.00	10440.00	
3	GI WIRE FOR SHADE NET		2.5mm OD/ 50-70 GSM		69.7		52.00	3624.19	
	Manual Retraction Pulleys and PP R	ope	AS PER SPECIFICATIONS		1927.0	<del>                                     </del>	10.00	19270.00	
5	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM		139.4	1	52.00	7248.38	
6	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		668.8	1	18.00	12038.40	
7	Drip Irrigation System		AS PER SPECIFICATIONS			sq.m	35.00	67445.00	
8	Over head sprinkler system		AS PER SPECIFICATIONS		1927	sq.m	25.00	48175.00	
9	Micro Tunnel Assembly		100 micron polyfilm along with components		1260	sq.m	60.00	75600.00	
10	Vegetable seedling Tray (4nos,	/Sqmt)	98/104 cavity/0.7mm thick		6741	Nos	14.00	94374.00	
					T	OTAL-C		361704.98	
	TOTAL STRUCTURAL MATER	RIAL COST			TOTA	L- (A+B+C)		821961.77	
		- <del></del>		S	ALES TAX	((CST/VAT)	= 5%	41098.09	
					TOT	TAL-(ABC)		863059.86	
D	FOUNDATION MATER	IALS				T	T		
1	Foundations for corridors		Cement Concrete: 1:2:4	30		cu meter	5500.00	33666.14	
	Foundations for Outer column		Cement Concrete: 1:2:4	26		cu meter	5500.00	24314.43	
3	Foundations for Inner column	S	Cement Concrete: 1:2:4	30		cu meter	5500.00	10491.53	
Е	LABOR COST				ſ	OTAL-D		68472.10	
1	Foundation		6'/5'/3' depth x 15" & 12"		Q.F.	Nos	150.00	12900.00	
	FABRICATION CHARGES		As per design requirement			sq.m	40.00	77080.00	
	INSTALLATION CHARGES		As per design requirement			sq.m	40.00	77080.00	
4	TRANSPORTATION CHARGES		no per design requirement	ı	1327	124.111	+0.00	20000.00	
7	THE THE PROPERTY OF THE PROPER			SUB-TOTAL-E				187060.00	
				<u> </u>		E TAX = 15	3%	28059.00	
						OTAL-E	,,0	215119.00	
F	INSURANCE	Standar	d fire and special perils policy			of Unit Cos	:t	2866.63	
г	HOURANCE	Stalludi	a me and special perils policy	<u> </u>		ND TOTAL	,,	1149517.59	
			COST PER SQ.M		596.53				
	Unit Cost Limited to Rs.						596.00		
	F FOLLOWING COMPONENTS ARE ALLOWED. AS SURSTITES RASED ON THEIR PHYSICAL INSTALLATION. IN THE STRUCTURE FOR SURSIDY							330.00	

THE FOLLOWING COMPONENTS ARE ALLOWED AS SUBSTITES BASED ON THEIR PHYSICAL INSTALLATION IN THE STRUCTURE FOR SUBSIDY

1	INSECT PROOF NET ON TOP			105 GSM/ WHITE COLOR/6.2m	1731.7	sq.m	40.00	69266.40	
2	Semi-automatic Shade net retraction	on syste	m	AS PER SPECIFICATIONS	1927	sq.m	80.00	154160.00	1

Note: Micro Tunnels and Vegetable Seedling Trays supply is limited to the Net Cultivable Area only.

Manual Retraction Pulleys and PP Rope   AS PER SPECIFICATIONS   3055.0 sq.m   10.00   30550.00	BOM OF MULTI-PURPOSE SHADE NET HOUSE									
SABLE LENGTH   S	FLAT	TOP NET HEIGHT ABOVE GROUND	LEVEL	4 m	GRID SIZE: 6m X 6m		тот	AL AREA :	3055	sq.m
SINDE GENA WIDTH   6 m	S.No	Description	Qty	Unit	Description	Qty	Unit		I.	
1										
MOJOR   SHADE   PANNE   TO   TO										
Seminary   March								HOUSI	E WITH PIP	E PURLINS
SANO   Description   Specification   Nos   Qty   Unit   Rate   Amount										
STRUCTURAL MATERIALS			4	m					<b>.</b>	
Poundations for Balcony pipes		•			Specification	NOS	Qty	Unit	кате	Amount
Poundations for Outer Columns   OD: 48mm/3mm/1m   34   119.0	Α	STRUCTURAL MATERIALS				1	ı	1	Т	
3   Innex Columns	1	Foundations for Balcony pipes			OD: 48mm/3mm/1.2m	38	159.6	kg	65.00	10374.00
A   Outer Columns	2	Foundations for Outer Column	ıs		OD: 48mm/3mm/1m	34	119.0	kg	65.00	7735.00
Truss Pipe (Along the gable)	3	Inner Columns			OD: 60mm/2mm/5m	54	810.0	kg	65.00	52650.00
6 Purilin Pipe (Across the gable)   OD: 48mm/zmm/4sm   80   1128.0 kg   65.00   73320.00	-	Outer Columns			·	34		_	65.00	
Total	-									
Record   Provious	-				• •					
9   Neeberbacking at all columns   DD: 33mm/2mm/1.2m   314   602.9   kg   65.00   39187.20     10   HUMAN ENTRY   Double Door System   1   1   set   15000.00   15000.00     11   TRACTOR ENTRY   DS PER SPECIFICATIONS   1   1   set   11000.00   11000.00     12   CLAMM'S, COUPLESS AND ALL HARDWARE ITEMS   2.5mm thick/300 GSM   APD   3055 lsg.m   20.00   61100.00     13   SUB-TOTAL   407767.10   EXCISE DUTY = 12.5%   5.0970.89     14   SUB-TOTAL   407767.10   EXCISE DUTY = 12.5%   5.0970.89     15   SUB-TOTAL   407767.10   EXCISE DUTY = 12.5%   5.0970.89     16   CLADDING MATERIALS   TOTAL   458737.99     17   SUB-TOTAL   407767.10   EXCISE DUTY = 12.5%   5.0970.89     18   CLADDING MATERIALS   TOTAL   407767.10   407767.10     18   SUB-TOTAL   407767.10	<b>—</b>	, ,			•			_		
NUMAN ENTRY			r		, ,	<b>†</b>				
TRACTOR ENTRY					, , , , , , , , , , , , , , , , , , ,	1				
1.0					•					
SUB-TOTAL-A   407767-10   EXCISE DUTY = 125%   50970.89	-		ARE ITEN	AS.		1				
CLADDING MATERIALS	12	CEPTIVIT S, COOT EERS / TIVE / TEE TIVITES W/	11121	<u>.</u>	2.5IIIII tilick/300 GSW	APD	L		20.00	
B									5%	
B									370	
2 INSECT PROOF NET ON SIDES 105 GSM/ WHITE COLOR/6.0m 1486.8 1486.8 sq.m 4.0.0 59472.00 35 Shade net (Tape Type as second layer) 105 GSM/ WHITE COLOR/6.0m 1486.8 1486.8 sq.m 4.0.0 59472.00 71610.00 71	В	CLADDING MATERIALS						,,,, <u>,</u> ,,		130707133
NSECT PROOF NET ON SIDES   105 GSM/ WHITE COLOR/6.0m	1	MONOFILAMENT NET ON TO	P		105 GSM/ WHITE COLOR/6.2m	2864.4	2864.4	sa.m	36.00	103118.40
Shade net (Tape Type as second layer)	2							•		
C OTHER MATERIALS   1 GALVALUME PROFILE   0.6mm thick/100-1206SM	3	Shade net (Tape Type as secor	nd laye	r)		2864.4		'	25.00	
C OTHER MATERIALS   1 GALVALUME PROFILE   0.6mm thick/100-1206SM							T	OTAL-B		234200.40
2   Zig-zag Spring Insert	С	OTHER MATERIALS				1				
3   GI WIRE FOR SHADE NET	1	GALVALUME PROFILE			0.6mm thick/100-120GSM	738	738	m	45.00	33210.00
Manual Retraction Pulleys and PP Rope	2	Zig-zag Spring Insert			2.5mm OD GI/PP COATED		1476	m	10.00	14760.00
S   G   WIRE FOR TRELLISING   2.5mm OD/ 50-70 GSM   229.2 kg   52.00   11915.90	3	GI WIRE FOR SHADE NET			2.5mm OD/ 50-70 GSM		114.6	kg	52.00	5957.95
G   G   Wire Rope For Trellising	4	Manual Retraction Pulleys and PP R	Rope		AS PER SPECIFICATIONS		3055.0	sq.m	10.00	30550.00
GI Wire Rope For Trellising	5	GI WIRE FOR TRELLISING			2.5mm OD/ 50-70 GSM		229.2	kg	52.00	11915.90
8   Over head sprinkler system	6	GI Wire Rope For Trellising			4.0mm OD/ 1 X 19 or 7 x 19				18.00	19166.40
9   Micro Tunnel Assembly   100 micron polyfilm along with components   2100 sq.m   60.00   126000.00     10   Vegetable seedling Tray (4nos/sqmt)   98/104 cavity/0.7mm thick   11235  Nos   14.00   157290.00     TOTAL-C   582150.26     TOTAL STRUCTURAL MATERIAL COST   TOTAL-C   582150.26     TOTAL STRUCTURAL MATERIAL COST   TOTAL-C   582150.26     TOTAL STRUCTURAL MATERIAL COST   TOTAL-C   1275088.64     SALES TAX(CST/VAT) = 5%   63754.43     TOTAL-(ABC)   1338843.08     D	7	Drip Irrigation System			AS PER SPECIFICATIONS		3055	sq.m	35.00	106925.00
9   Micro Tunnel Assembly   components   2100   sq.m   60.00   126000.00	8	Over head sprinkler system			AS PER SPECIFICATIONS		3055	sq.m	25.00	76375.00
10   Vegetable seedling Tray (4nos/Sqmt)   98/104 cavity/0.7mm thick   11235   Nos   14.00   157290.00	9	Micro Tunnel Assembly			1 ' '		2100	sq.m	60.00	126000.00
TOTAL STRUCTURAL MATERIAL COST	10	Vegetable seedling Tray (4nos	/Samt	١	•		11235	Nos	14 00	157290 00
TOTAL STRUCTURAL MATERIAL COST		vegetable seeding tray (+1103)	Jqiiic		35/104 cavity/6.7mm tinek				14.00	
SALES TAX(CST/VAT) = 5%   63754.43		TOTAL STRUCTURAL MATER	RIAL C	OST						
TOTAL-(ABC)   1338843.08   1338843.75   1338843.08   1338843.08   1338843.75   1338843.08   1338843.75   1338843.08   1338843.75   1338843.08   1338843.75   1338843.08   1338843.75   1338843.08   1338843.75   1338843.08   1338843.75   1338843.08   1338843.75   1338843.08   1338843.75   1338843.08   1338843.75   1338843.08   1338843.75   1338843.75   1338843.75   1338843.08   1338843.75   1						S			= 5%	
Foundations for corridors										
Foundations for Outer columns	D	FOUNDATION MATER	IALS							
Substitution   Sub	1	Foundations for corridors			Cement Concrete: 1:2:4	38	7.75	cu meter	5500.00	42643.77
TOTAL-D   93324.32	2	Foundations for Outer column	าร		Cement Concrete: 1:2:4	34				
E         LABOR COST         6 '/5'/3' depth x 15" & 12"         126 Nos         150.00         18900.00           2         FABRICATION CHARGES         As per design requirement         3055 sq.m         40.00         122200.00           3         INSTALLATION CHARGES         As per design requirement         3055 sq.m         40.00         122200.00           4         TRANSPORTATION CHARGES         Sub-total-E         288300.00           5         SUB-TOTAL-E         288300.00           5         SERVICE TAX = 15%         43245.00           6         Standard fire and special perils policy         0.25% of Unit Cost         4409.28           6         INSURANCE         Standard fire and special perils policy         0.25% of Unit Cost         4409.28           7         GRAND TOTAL         1768121.67         1768121.67         COST PER SQ.M         578.76           7         THE FOLLOWING COMPONENTS ARE ALLOWED AS SUBSTITES BASED ON THEIR PHYSICAL INSTALLATION IN THE STRUCTURE         1           1         INSECT PROOF NET ON TOP         105 GSM/ WHITE COLOR/6.2m         2864.4 sq.m         40.00         114576.00           2         Semi-automatic Shade net retraction system         AS PER SPECIFICATIONS         3055 sq.m         70.00         213850.00	3	Foundations for Inner column	S		Cement Concrete: 1:2:4	54			5500.00	
Foundation							TO	OTAL-D		93324.32
As per design requirement   3055   sq.m   40.00   122200.00					cl/sl/ol l					
1   1   1   1   1   1   1   1   1   1	<b>-</b>				· · · · · · · · · · · · · · · · · · ·					
4 TRANSPORTATION CHARGES       25000.00         SUB-TOTAL-E       288300.00         SERVICE TAX = 15%       43245.00         TOTAL-E       331545.00         F INSURANCE       Standard fire and special perils policy       0.25% of Unit Cost       4409.28         GRAND TOTAL       1768121.67         COST PER SQ.M       578.76         COST PER SQ.M       578.00         THE FOLLOWING COMPONENTS ARE ALLOWED AS SUBSTITES BASED ON THEIR PHYSICAL INSTALLATION IN THE STRUCTURE         1 INSECT PROOF NET ON TOP       105 GSM/ WHITE COLOR/6.2m       2864.4 sq.m       40.00       114576.00         2 Semi-automatic Shade net retraction system       AS PER SPECIFICATIONS       3055 sq.m       70.00       213850.00					,					
SUB-TOTAL-E   288300.00					As her nesign rednirement	<u> </u>	3055	Jad.III	40.00	
SERVICE TAX = 15%   43245.00	4	4 TRANSPORTATION CHARGES					SIIR	-TOTAI -F		
TOTAL-E   331545.00									%	
F         INSURANCE         Standard fire and special perils policy         0.25% of Unit Cost         4409.28           GRAND TOTAL         1768121.67           COST PER SQ.M         578.76           THE FOLLOWING COMPONENTS ARE ALLOWED AS SUBSTITES BASED ON THEIR PHYSICAL INSTALLATION IN THE STRUCTURE           1         INSECT PROOF NET ON TOP         105 GSM/ WHITE COLOR/6.2m         2864.4 sq.m         40.00         114576.00           2         Semi-automatic Shade net retraction system         AS PER SPECIFICATIONS         3055 sq.m         70.00         213850.00										
GRAND TOTAL   1768121.67	F	INSURANCE	S	tanda	rd fire and special perils policy				st	4409.28
COST PER SQ.M   578.76					. , , ,					
THE FOLLOWING COMPONENTS ARE ALLOWED AS SUBSTITES BASED ON THEIR PHYSICAL INSTALLATION IN THE STRUCTURE  1 INSECT PROOF NET ON TOP 105 GSM/ WHITE COLOR/6.2m 2864.4 sq.m 40.00 114576.00 2 Semi-automatic Shade net retraction system AS PER SPECIFICATIONS 3055 sq.m 70.00 213850.00	L									578.76
1         INSECT PROOF NET ON TOP         105 GSM/ WHITE COLOR/6.2m         2864.4 sq.m         40.00         114576.00           2         Semi-automatic Shade net retraction system         AS PER SPECIFICATIONS         3055 sq.m         70.00         213850.00							Unit Cost	Limited to	Rs.	578.00
2 Semi-automatic Shade net retraction system AS PER SPECIFICATIONS 3055 sq.m 70.00 213850.00		THE FOLLOWING COM	MPONE	NTS ARE	ALLOWED AS SUBSTITES BASED ON THEIR	PHYSICAL I	NSTALLATIC	N IN THE STE	RUCTURE	
, , , , , , , , , , , , , , , , , , , ,	1	INSECT PROOF NET ON TOP			105 GSM/ WHITE COLOR/6.2m		2864.4	sq.m	40.00	114576.00
							3055	sq.m	70.00	213850.00

#### **BOM OF MULTI-PURPOSE SHADE NET HOUSE**

	BOW OF	MULTI-PURPOSE SHAD	LTI-PURPOSE SHADE NET HOUSE				
FLAT	TOP NET HEIGHT ABOVE GROUND LEVEL 4 m	GRID SIZE: 6m X 6m		тот	AL AREA :	4081	sq.m
S.No	Description Qty Unit	Description	Qty	Unit			
1 2	GABLE LENGTH 6 m SHADE SPAN WIDTH 6 m	NET GABLE LENGTH NET SHADE SPAN WIDTH	48 72			DI IDDOCE (	טאטר אירד
3	No.OF GABLES 8 No	NET CULTIVABLE AREA	3456				SHADE NET
4	No.OF SHADE SPANS 12 No	GROSS GABLE LENGTH			HOUSI	E WITH PIP	E PURLINS
5 6	BALCONY ON FOUR SIDES 2.5 m Height of NET HOUSE 4 m	GROSS SHADE SPAN LENGTH GROSS SHADE AREA	77 4081		ł		
S.No	Description	Specification	Nos	Qty	Unit	Rate	Amount
	STRUCTURAL MATERIALS	- Promiseron		٦٠)	1 3	1	
		OD: 40mm /2mm /4 2mm	44 184.8 kg 65.00				12012.00
_	Foundations for Balcony pipes Foundations for Outer Columns	OD: 48mm/3mm/1.2m OD: 48mm/3mm/1m	44	140.0	ŭ	65.00 65.00	9100.00
-	Inner Columns	OD: 60mm/2mm/5m	77	1155.0		65.00	75075.00
-	Outer Columns	OD: 60mm/2mm/4m	40	480.0	Ŭ	65.00	31200.00
-	Truss Pipe (Along the gable)	OD: 48mm/2mm/6m	104	1466.4	Ŭ	65.00	95316.00
	Purlin Pipe (Across the gable)	OD: 48mm/2mm/6m	108	1522.8		65.00	98982.00
	Corridor/Balcony Pipe	OD: 60mm/2mm/4.8m	44	633.6	<del>                                     </del>	65.00	41184.00
8	Horizontal Member in Corridor	OD: 33mm/2mm/1.2m	44	84.5	kg	65.00	5491.20
9	Knee bracing at all columns	OD: 33mm/2mm/1.2m	424	814.1	kg	65.00	52915.20
	HUMAN ENTRY	Double Door System	1	1	set	15000.00	15000.00
-	TRACTOR ENTRY	AS PER SPECIFICATIONS	1		set	11000.00	11000.00
12	CLAMPS, COUPLERS AND ALL HARDWARE ITEMS	2.5mm thick/300 GSM	APD		sq.m	20.00	81620.00
					S-TOTAL-A	Fo/	528895.40
					DUTY = 12.	5%	66111.93
В	CLADDING MATERIALS			Т	OTAL-A		595007.33
$\vdash$	MONOFILAMENT NET ON TOP	105 GSM/ WHITE COLOR/6.2m	3906	3006	sq.m	36.00	140616.00
2	INSECT PROOF NET ON SIDES	105 GSM/ WHITE COLOR/6.2m	1713.6		<del>-</del>	40.00	68544.00
	Shade net (Tape Type as second layer)	35%/50%-90GSM-WHITE/GREEN/BLACK	3906		sq.m	25.00	97650.00
۲	The second rayer)	,	3300		OTAL-B	25.00	306810.00
С	OTHER MATERIALS		TOTALD			200210:00	
1	GALVALUME PROFILE	0.6mm thick/100-120GSM	928	928	m	45.00	41760.00
2	Zig-zag Spring Insert	2.5mm OD GI/PP COATED		1856		10.00	18560.00
3	GI WIRE FOR SHADE NET	2.5mm OD/ 50-70 GSM		156.3	kg	52.00	8126.98
4	Manual Retraction Pulleys and PP Rope	AS PER SPECIFICATIONS		4081.0	sq.m	10.00	40810.00
5	GI WIRE FOR TRELLISING	2.5mm OD/ 50-70 GSM		312.6	kg	52.00	16253.95
6	GI Wire Rope For Trellising	4.0mm OD/ 1 X 19 or 7 x 19		1430	m	18.00	25740.00
-	Drip Irrigation System	AS PER SPECIFICATIONS			sq.m	35.00	142835.00
8	Over head sprinkler system	AS PER SPECIFICATIONS		4081	sq.m	25.00	102025.00
9	Micro Tunnel Assembly	100 micron polyfilm along with components		2880	sq.m	60.00	172800.00
10	Vegetable seedling Tray (4nos/Sqmt)	98/104 cavity/0.7mm thick		15408		14.00	215712.00
					OTAL-C		784622.93
	TOTAL STRUCTURAL MATERIAL COST				AL- (A+B+C)		1686440.25
			S		((CST/VAT)	= 5%	84322.01
D	FOUNDATION MATERIALS			10	TAL-(ABC)		1770762.27
	Foundations for corridors	Cement Concrete: 1:2:4	44	ያ ባያ	cu meter	5500.00	49377.00
	Foundations for Outer columns	Cement Concrete: 1:2:4	40		cu meter	5500.00	37406.82
	Foundations for Inner columns	Cement Concrete: 1:2:4	77		cu meter	5500.00	29920.28
					OTAL-D		116704.10
E	LABOR COST						
1	Foundation	6'/5'/3' depth x 15" & 12"		161	Nos	150.00	24150.00
	FABRICATION CHARGES	As per design requirement			sq.m	40.00	163240.00
3	INSTALLATION CHARGES	As per design requirement	4081 sq.m 40.00			163240.00	
4	TRANSPORTATION CHARGES		CUR TOTAL F				30000.00
					3-TOTAL-E		380630.00
					E TAX = 15	5%	57094.50
<u> </u>		16 1 1 1 1			OTAL-E		437724.50
F	INSURANCE Standar	rd fire and special perils policy			of Unit Cos	ST	5812.98
					ND TOTAL		2331003.84
					PER SQ.M		571.18 571.00
Unit Cost Limited to Rs.						3/1.00	

THE FOLLOWING COMPONENTS ARE ALLOWED AS SUBSTITUTES BASED ON THEIR PHYSICAL INSTALLATION IN THE STRUCTURE FOR ADDITIONAL SUBSIDY

1	INSECT PROOF NET ON TOP			105 GSM/ WHITE COLOR/6.2m	3906	sq.m	40.00	156240.00
2	Semi-automatic Shade net retraction	on syste	em	AS PER SPECIFICATIONS	4081	sq.m	60.00	244860.00

FLAT	TOP NET HEIGHT ABOVE GROUND LEVEL 4 m	GRID SIZE: 6m X 6m	JUSE		AL AREA :		sq.m	
<u> </u>					AL AREA .	529	sq.iii	
S.No 1	Description         Qty         Unit           GABLE LENGTH         6 m	Description  NET GABLE LENGTH	_	Unit m	·			
2	SHADE SPAN WIDTH 6 m	NET SHADE SPAN WIDTH	18		_		HADE NET	
3	No.OF GABLES 3 No	NET CULTIVABLE AREA		sq.m			PIPE PURLINS,	
4 5	No.OF SHADE SPANS 3 No BALCONY ON FOUR SIDES 2.5 m	GROSS GABLE LENGTH GROSS SHADE SPAN LENGTH			ALUN	IINET AND	OPTINET	
6	Height of NET HOUSE 4 m	GROSS SHADE AREA		sq.m				
S.No	Description	Specification	Nos	Qty	Unit	Rate	Amount	
Α	STRUCTURAL MATERIALS							
1	Foundations for Balcony pipes	OD: 48mm/3mm/1.2m	16	67.2	kg	65.00	4368.00	
	Foundations for Outer Columns	OD: 48mm/3mm/1m	12	42.0		65.00	2730.00	
	Inner Columns	OD: 60mm/2mm/5m	4	60.0		65.00	3900.00	
4	Outer Columns	OD: 60mm/2mm/4m	12	144.0		65.00	9360.00	
5	Truss Pipe (Along the gable)	OD: 48mm/2mm/6m	12	169.2	1 -	65.00	10998.00	
	Purlin Pipe (Across the gable)	OD: 48mm/2mm/6m	12	169.2	1 -	65.00	10998.00	
	Corridor/Balcony Pipe	OD: 60mm/2mm/4.8m	16	230.4	1	65.00	14976.00	
8	Horizontal Member in Corridor	OD: 33mm/2mm/1.2m	16	30.7	kg	65.00	1996.80	
9	Knee bracing at all columns	OD: 33mm/2mm/1.2m	48	92.2	kg	65.00	5990.40	
10	HUMAN ENTRY	Double Door System	1	1	set	20000.00	20000.00	
11	CLAMPS, COUPLERS AND ALL HARDWARE	2.5mm thick/300 GSM	APD	529	sq.m	20.00	10580.00	
				SUB	-TOTAL-A		95897.20	
				EXCISE I	DUTY = 12.5	5%	11987.15	
				T	OTAL-A		107884.35	
В	CLADDING MATERIALS	T	1					
1	OPTINET OR EQUIVALENT ON TOP	OPTINET: 40MESH 120 GSM/ WHITE C			sq.m	70.00	27342.00	
2	OPTINET OR EQUIVALENT ON SIDES	OPTINET: 40MESH 120 GSM/ WHITE C	655.2	655.2	1	70.00	45864.00	
3	ALUMINET OR EQUIVALENT AS SECOND LAYER	ALUMINET- 50% SHADE : 80GSM	390.6	390.6	sq.m	80.00	31248.00	
				T	OTAL-B		104454.00	
<u> </u>	OTHER MATERIALS	T	1					
	GALVALUME PROFILE	0.6mm thick/100-120GSM	250	250		45.00	11250.00	
	Zig-zag Spring Insert	2.5mm OD GI/PP COATED		500	1	10.00	5000.00	
3	GI WIRE FOR SHADE NET	2.5mm OD/ 50-70 GSM		15.8		52.00	823.68	
4	Manual Retraction Pulleys and PP Rope	AS PER SPECIFICATIONS			sq.m	10.00	5290.00	
5	GI WIRE FOR TRELLISING	2.5mm OD/ 50-70 GSM		31.7	_	52.00	1647.36	
	GI Wire Rope For Trellising	4.0mm OD/ 1 X 19 or 7 x 19		176	1	18.00	3168.00	
	Drip Irrigation System	AS PER SPECIFICATIONS			sq.m	35.00	18515.00	
8	Over head sprinkler system	AS PER SPECIFICATIONS		529	sq.m	25.00	13225.00	
9	Micro Tunnel Assembly	100 micron polyfilm along with components			sq.m	60.00	16200.00	
10	Vegetable seedling Tray (4nos/Sqmt)	98/104 cavity/0.7mm thick		1444.5		14.00	20223.00	
					OTAL-C		95342.04	
	TOTAL STRUCTURAL MATERIAL COST				AL- (A+B+C)		307680.39	
			S		((CST/VAT)	= 5%	15384.02	
				T01	AL-(ABC)		323064.41	
D	FOUNDATION MATERIALS	Compant Committee 4 2 4	4.0	2.22		FF00 00	17055 35	
	Foundations for Cutor columns	Cement Concrete: 1:2:4	16 12		cu meter	5500.00	17955.27	
-	Foundations for Outer columns Foundations for Inner columns	Cement Concrete: 1:2:4 Cement Concrete: 1:2:4	4		cu meter	5500.00 5500.00	11222.05 1398.87	
	Flooring in Human Entry	CC and Brick Work	1		cu meter	12000.00	14400.00	
4	Hooring in Human Lift y	CC and Drick WOLK	1		OTAL-D	12000.00	44976.19	
E	LABOR COST			11			1-370.13	
	Foundation	6'/5'/3' depth x 15" & 12"		37	Nos	150.00	4800.00	
	FABRICATION CHARGES	As per design requirement			sq.m	50.00	26450.00	
	INSTALLATION CHARGES	As per design requirement			sq.m	50.00	26450.00	
	TRANSPORTATION CHARGES		33,04,				10000.00	
			SUB-TOTAL-E				67700.00	
			SERVICE TAX = 15%				10155.00	
		TOTAL-E					77855.00	
F INSURANCE Standard fire and special perils policy 0.25% of Unit Cost					1114.74			
GRAND TOTAL					447010.34			
COST PER SQ.M				845.01				
Unit Cost Limited to Rs.					710.00			

110

EI AT	TOP NET HEIGHT ABOVE GROUND L		GRID SIZE: 6m X 6m	JUSE 1		AL AREA :			
				0		AL AKEA :	1015	əq.III	
S.No	Description GABLE LENGTH	Qty Unit 6 m	Description  NET GABLE LENGTH		Unit				
2	SHADE SPAN WIDTH	6 m	NET SHADE SPAN WIDTH				MULTI-PURPOSE SHADE N		
3	No.OF GABLES	5 No	NET CULTIVABLE AREA		sq.m	HOUSE	WITH PIPE	PURLINS,	
4	No.OF SHADE SPANS	4 No	GROSS GABLE LENGTH			ALUN	IINET AND	OPTINET	
5 6	BALCONY ON FOUR SIDES Height of NET HOUSE	2.5 m 4 m	GROSS SHADE SPAN LENGTH GROSS SHADE AREA						
S.No	Description	7	Specification	Nos	Qty	Unit	Rate	Amount	
	STRUCTURAL MATERIALS		Specification	1403	Qty	Onit	Nate	Amount	
			OD: 48mm /2mm /1 2m	22	02.4	l.a	65.00	6006.00	
	Foundations for Balcony pipes Foundations for Outer Columns	<u> </u>	OD: 48mm/3mm/1.2m OD: 48mm/3mm/1m	22 18	92.4 63.0		65.00	4095.00	
3		5	·	12	180.0		65.00	11700.00	
	Inner Columns		OD: 60mm/2mm/5m			_	65.00	14040.00	
	Outer Columns		OD: 60mm/2mm/4m	18	216.0	_	65.00	22912.50	
	Truss Pipe (Along the gable)		OD: 48mm/2mm/6m	25	352.5		65.00		
	Purlin Pipe (Across the gable)		OD: 48mm/2mm/6m	24	338.4		65.00	21996.00	
	Corridor/Balcony Pipe		OD: 60mm/2mm/4.8m	22	316.8		65.00	20592.00	
	Horizontal Member in Corridor	<u> </u>	OD: 33mm/2mm/1.2m	22	42.2		65.00	2745.60	
	Knee bracing at all columns		OD: 33mm/2mm/1.2m	98	188.2		65.00	12230.40	
	HUMAN ENTRY	MADE	Double Door System	1		set	20000.00	20000.00	
11	CLAMPS, COUPLERS AND ALL HARD	VVAKE	2.5mm thick/300 GSM	APD		sq.m	20.00	20300.00	
						-TOTAL-A	-0/	156617.50	
						OTAL A	0%	19577.19	
	CLADDING MATERIAL C			<u> </u>	TO	OTAL-A		176194.69	
	CLADDING MATERIALS	TOD.		022.22	022.22	1	70.00	F0000 CT	
	OPTINET OR EQUIVALENT ON T		OPTINET: 40MESH 120 GSM/ WHITE CO		833.28		70.00	58329.60	
	OPTINET OR EQUIVALENT ON S		OPTINET: 40MESH 120 GSM/ WHITE C			sq.m	70.00	61740.00	
3	ALUMINET OR EQUIVALENT AS SECONE	D LAYER	ALUMINET- 50% SHADE : 80GSM	833.28	833.28		80.00	66662.40	
. 1					T	OTAL-B		186732.00	
	OTHER MATERIALS		<u> </u>			1	ı		
	GALVALUME PROFILE		0.6mm thick/100-120GSM	342	342		45.00	15390.00	
	Zig-zag Spring Insert		2.5mm OD GI/PP COATED		684		10.00	6840.00	
3	GI WIRE FOR SHADE NET		2.5mm OD/ 50-70 GSM		34.3		52.00	1784.64	
4	Manual Retraction Pulleys and PP Ro	оре	AS PER SPECIFICATIONS		1015.0	sq.m	10.00	10150.00	
5	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM		68.6	_	52.00	3569.28	
	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		352		18.00	6336.00	
7	Drip Irrigation System		AS PER SPECIFICATIONS		1015	sq.m	35.00	35525.00	
8	Over head sprinkler system		AS PER SPECIFICATIONS		1015	sq.m	25.00	25375.00	
9	Micro Tunnel Assembly		100 micron polyfilm along with components		600	sq.m	60.00	36000.00	
10	Vegetable seedling Tray (4nos/	/Sqmt)	98/104 cavity/0.7mm thick		3210	Nos	14.00	44940.00	
					T	OTAL-C		185909.92	
	TOTAL STRUCTURAL MATER	RIAL COST			TOTA	L- (A+B+C)		548836.61	
				S		(CST/VAT)	= 5%	27441.83	
					TOT	AL-(ABC)		576278.44	
D	FOUNDATION MATERI	ALS		, ,		1	,		
1	Foundations for corridors		Cement Concrete: 1:2:4	22	4.49	cu meter	5500.00	24688.50	
2	Foundations for Outer column		Cement Concrete: 1:2:4	18		cu meter	5500.00	16833.07	
3	Foundations for Inner columns	S	Cement Concrete: 1:2:4	12	0.76	cu meter	5500.00	4196.61	
4	Flooring in Human Entry		CC and Brick Work	1		cu meter	12000.00	14400.00	
					TO	OTAL-D		60118.18	
E	LABOR COST								
	Foundation		6'/5'/3' depth x 15" & 12"			Nos	150.00	7800.00	
	FABRICATION CHARGES		As per design requirement			sq.m	50.00	50750.00	
3	INSTALLATION CHARGES		As per design requirement		1015	sq.m	50.00	50750.00	
4	TRANSPORTATION CHARGES			CUR TOTAL F				15000.00	
				SUB-TOTAL-E SERVICE TAX = 15%				124300.00	
							%	18645.00	
					T	OTAL-E		142945.00	
F	INSURANCE	Standar	d fire and special perils policy		0.25%	of Unit Cos	it	1948.35	
					GRA	ND TOTAL		781289.97	
						PER SQ.M		769.74	
Unit Cost Limited to Rs.						710.00			

FIΔT	TOP NET HEIGHT ABOVE GROUND LEVEL 4 m	GRID SIZE: 6m X 6m			AL AREA :	1927	sa m
-	Т		0.		TE ANEA :	1927	əq.m
S.No	Description   Qty Unit   GABLE LENGTH   6 m	Description  NET GABLE LENGTH		Unit m			
2	SHADE SPAN WIDTH 6 m	NET SHADE SPAN WIDTH	42				SHADE NET
3	No.OF GABLES 6 No	NET CULTIVABLE AREA	1512		HOUSE	WITH PIP	E PURLINS,
<u>4</u> 5	No.OF SHADE SPANS 7 No BALCONY ON FOUR SIDES 2.5 m	GROSS GABLE LENGTH GROSS SHADE SPAN LENGTH			ALUN	INET AND	OPTINET
6	Height of NET HOUSE 4 m	GROSS SHADE AREA	1927				
S.No		Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS	•	1		1		
1	Foundations for Palsony pines	OD: 48mm/3mm/1.2m	30	126.0	ka	65.00	8190.00
2	Foundations for Balcony pipes Foundations for Outer Columns	OD: 48mm/3mm/1m	26	126.0 91.0		65.00	5915.00
3	Inner Columns	OD: 60mm/2mm/5m	30	450.0		65.00	29250.00
4	Outer Columns	OD: 60mm/2mm/4m	26	312.0		65.00	20280.00
	Truss Pipe (Along the gable)	OD: 48mm/2mm/6m	48	676.8		65.00	43992.00
-	Purlin Pipe (Across the gable)	OD: 48mm/2mm/6m	49	690.9		65.00	44908.50
7	Corridor/Balcony Pipe	OD: 60mm/2mm/4.8m	30	432.0		65.00	28080.00
8	Horizontal Member in Corridor	OD: 33mm/2mm/1.2m	30	57.6	Ŭ	65.00	3744.00
-	Knee bracing at all columns	OD: 33mm/2mm/1.2m	194	372.5		65.00	24211.20
10	HUMAN ENTRY	Double Door System	1		set	20000.00	20000.00
11	TRACTOR ENTRY	AS PER SPECIFICATIONS	1		set	14000.00	14000.00
12	CLAMPS, COUPLERS AND ALL HARDWARE	2.5mm thick/300 GSM	APD		sq.m	20.00	38540.00
				SUB	-TOTAL-A		281110.70
				EXCISE I	DUTY = 12.	5%	35138.84
				T	OTAL-A		316249.54
В	CLADDING MATERIALS						
1	OPTINET OR EQUIVALENT ON TOP	OPTINET: 40MESH 120 GSM/ WHITE C	1731.7	1731.7	sq.m	70.00	121216.20
2	OPTINET OR EQUIVALENT ON SIDES	OPTINET: 40MESH 120 GSM/ WHITE C	1184.4	1184.4	sq.m	70.00	82908.00
3	ALUMINET OR EQUIVALENT AS SECOND LAYER	ALUMINET- 50% SHADE : 80GSM	1731.7	1731.7	sq.m	80.00	138532.80
				T	OTAL-B		342657.00
С	OTHER MATERIALS						
1	GALVALUME PROFILE	0.6mm thick/100-120GSM	522	522	m	45.00	23490.00
2	Zig-zag Spring Insert	2.5mm OD GI/PP COATED		1044	m	10.00	10440.00
3	GI WIRE FOR SHADE NET	2.5mm OD/ 50-70 GSM		69.7	kg	52.00	3624.19
4	Semi-automatic shade screen retraction system	AS PER SPECIFICATIONS		1927.0	sq.m	80.00	154160.00
5	GI WIRE FOR TRELLISING	2.5mm OD/ 50-70 GSM		139.4	kg	52.00	7248.38
6	GI Wire Rope For Trellising	4.0mm OD/ 1 X 19 or 7 x 19		668.8		18.00	12038.40
7	Drip Irrigation System	AS PER SPECIFICATIONS			sq.m	35.00	67445.00
8	Over head sprinkler system	AS PER SPECIFICATIONS			sq.m	25.00	48175.00
9	Micro Tunnel Assembly	100 micron polyfilm along with components			sq.m	60.00	75600.00
10	Vegetable seedling Tray (4nos/Sqmt)	98/104 cavity/0.7mm thick		6741	Nos	14.00	94374.00
	3	, = == == =============================			OTAL-C		496594.98
	TOTAL STRUCTURAL MATERIAL COST				L- (A+B+C)		1155501.51
			S		((CST/VAT)	= 5%	57775.08
					TAL-(ABC)		1213276.59
D	FOUNDATION MATERIALS						
1	Foundations for corridors	Cement Concrete: 1:2:4	30	6.12	cu meter	5500.00	33666.14
2	Foundations for Outer columns	Cement Concrete: 1:2:4	26		cu meter	5500.00	24314.43
3	Foundations for Inner columns	Cement Concrete: 1:2:4	30	1.91	cu meter	5500.00	10491.53
4	Flooring in Human Entry	CC and Brick Work	1		cu meter	12000.00	14400.00
				T	OTAL-D		82872.10
E	LABOR COST						
1	Foundation	6'/5'/3' depth x 15" & 12"	ļ		Nos	150.00	12900.00
2	FABRICATION CHARGES	As per design requirement			sq.m	40.00	77080.00
3	INSTALLATION CHARGES	As per design requirement	ĺ	1927	sq.m	40.00	77080.00
4	TRANSPORTATION CHARGES		1				20000.00
					S-TOTAL-E	10/	187060.00
					E TAX = 15	<b>1</b> %	28059.00
<u> </u>	INCLIDANCE C		<u> </u>		OTAL-E		215119.00
F	INSURANCE Standa	ard fire and special perils policy	<del>                                     </del>		of Unit Cos	ST	3778.17
					ND TOTAL		1515045.85
COST PER SQ.M Unit Cost Limited to Rs.				786.22 710.00			
			ĺ	טוווג כטאַנ	. Limitea (C	1/2.	110.00

FLAT	TOP NET HEIGHT ABOVE GROUND LI		GRID SIZE: 6m X 6m			AL AREA :	3055	ea m
	Т					I	3033	34.111
<b>S.No</b>	Description   GABLE LENGTH	Oty Unit	Description  NET GABLE LENGTH	Qty 42	Unit m		DUIDDOSE (	
2	SHADE SPAN WIDTH	6 m	NET SHADE SPAN WIDTH	60	m		JLTI-PURPOSE SHADE N	
3	No.OF GABLES	7 No	NET CULTIVABLE AREA	2520				E PURLINS,
<u>4</u> 5	No.OF SHADE SPANS BALCONY ON FOUR SIDES	10 No 2.5 m	GROSS GABLE LENGTH GROSS SHADE SPAN LENGTH	47 65		ALUM	IINET AND	OPTINET
6	Height of NET HOUSE	4 m	GROSS SHADE AREA	3055				
S.No	Description		Specification	Nos Qty Unit			Rate	Amount
Α	STRUCTURAL MATERIALS		·					
1	Foundations for Palsony pines		OD: 48mm/3mm/1.2m	38	150.6	ka	65.00	10374.00
2	Foundations for Balcony pipes Foundations for Outer Columns		OD: 48mm/3mm/1m	34	159.6 119.0		65.00	7735.00
3	Inner Columns		OD: 60mm/2mm/5m	54	810.0		65.00	52650.00
4	Outer Columns		OD: 60mm/2mm/4m	34	408.0		65.00	26520.00
5	Truss Pipe (Along the gable)		OD: 48mm/2mm/6m	77	1085.7		65.00	70570.50
6	Purlin Pipe (Across the gable)		OD: 48mm/2mm/6m	80	1128.0		65.00	73320.00
7	Corridor/Balcony Pipe		OD: 60mm/2mm/4.8m	38	547.2		65.00	35568.00
8	Horizontal Member in Corridor		OD: 33mm/2mm/1.2m	38	73.0		65.00	4742.40
9	Knee bracing at all columns		OD: 33mm/2mm/1.2m	314	602.9		65.00	39187.20
10	HUMAN ENTRY		Double Door System	1		set	20000.00	20000.00
11	TRACTOR ENTRY		AS PER SPECIFICATIONS	1		set	14000.00	14000.00
12	CLAMPS, COUPLERS AND ALL HARDW	/ARE	2.5mm thick/300 GSM	APD		sq.m	20.00	61100.00
						-TOTAL-A		415767.10
						DUTY = 12.5	5%	51970.89
						OTAL-A		467737.99
В	CLADDING MATERIALS							
1	OPTINET OR EQUIVALENT ON TO	OP	OPTINET: 40MESH 120 GSM/ WHITE CO	2864.4	2864.4	sq.m	70.00	200508.00
2	OPTINET OR EQUIVALENT ON SI	DES	OPTINET: 40MESH 120 GSM/ WHITE C	1486.8	1486.8	sq.m	70.00	104076.00
3	ALUMINET OR EQUIVALENT AS SECOND	LAYER	ALUMINET- 50% SHADE : 80GSM	2864.4	2864.4	sq.m	80.00	229152.00
					T	OTAL-B		533736.00
С	OTHER MATERIALS							
1	GALVALUME PROFILE		0.6mm thick/100-120GSM	738	738	m	45.00	33210.00
2	Zig-zag Spring Insert		2.5mm OD GI/PP COATED		1476	m	10.00	14760.00
3	GI WIRE FOR SHADE NET		2.5mm OD/ 50-70 GSM		114.6	kg	52.00	5957.95
4	Semi-automatic shade screen retracti	ion system	AS PER SPECIFICATIONS		3055.0	sq.m	70.00	213850.00
5	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM		229.2	kg	52.00	11915.90
6	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		1064.8		18.00	19166.40
7	Drip Irrigation System		AS PER SPECIFICATIONS			sq.m	35.00	106925.00
8	Over head sprinkler system		AS PER SPECIFICATIONS			sq.m	25.00	76375.00
9	Micro Tunnel Assembly		100 micron polyfilm along with			sq.m	60.00	126000.00
	,		components			-		
10	Vegetable seedling Tray (4nos/S	qmt)	98/104 cavity/0.7mm thick		11235		14.00	157290.00
<u> </u>	TOTAL CERLICIUM ALASES	AL COST				OTAL-C		765450.26
	TOTAL STRUCTURAL MATERI	AL COST				L- (A+B+C)	F0/	1766924.24
				3		(CST/VAT) (AL-(ABC)	= 5%	88346.21 <b>1855270.46</b>
D	FOUNDATION MATERIA	116			101	AL-(ABC)		1033270.40
1	Foundations for corridors	1LJ	Cement Concrete: 1:2:4	38	7 75	cu meter	5500.00	42643.77
2	Foundations for Outer columns		Cement Concrete: 1:2:4	34		cu meter	5500.00	31795.80
3	Foundations for Inner columns		Cement Concrete: 1:2:4	54		cu meter	5500.00	18884.75
4	Flooring in Human Entry		CC and Brick Work	1		cu meter	12000.00	14400.00
						OTAL-D		107724.32
E	LABOR COST							
1	Foundation		6'/5'/3' depth x 15" & 12"		126	Nos	150.00	18900.00
2	FABRICATION CHARGES		As per design requirement		3055	sq.m	40.00	122200.00
3	INSTALLATION CHARGES		As per design requirement			sq.m	40.00	122200.00
4	TRANSPORTATION CHARGES							25000.00
					SUB	-TOTAL-E	<u> </u>	288300.00
					SERVIC	E TAX = 15	%	43245.00
					T	OTAL-E		331545.00
F	INSURANCE	Standar	d fire and special perils policy		0.25%	of Unit Cos	st	5736.35
						ND TOTAL		2300276.12
						PER SQ.M		752.95
					Unit Cost	Limited to	Rs.	710.00

FLAT	TOP NET HEIGHT ABOVE GROUND	LEVEL 4 m	GRID SIZE: 6m X 6m		TOTA	AL AREA :	4081	sa m
-		1				I	7001	3 <b>4</b> .111
S.No	Description GABLE LENGTH	Qty Unit 6 m	Description  NET GABLE LENGTH	Qty 48	Unit			
2	SHADE SPAN WIDTH	6 m	NET SHADE SPAN WIDTH	72		MULTI-	PURPOSE S	SHADE NET
3	No.OF GABLES	8 No	NET CULTIVABLE AREA	3456		HOUSE	WITH PIP	E PURLINS,
<u>4</u> 5	No.OF SHADE SPANS BALCONY ON FOUR SIDES	12 No	GROSS GABLE LENGTH	53		ALUM	IINET AND	OPTINET
6	Height of NET HOUSE	2.5 m 4 m	GROSS SHADE SPAN LENGTH GROSS SHADE AREA	77 4081				
S.No	Description	7	Specification	Nos	Qty	Unit	Rate	Amount
<b>-</b>			Specification	1403	Qty	Onit	Nate	Amount
Α	STRUCTURAL MATERIALS			T		I		
1	Foundations for Balcony pipes		OD: 48mm/3mm/1.2m	44	184.8	kg	65.00	12012.00
2	Foundations for Outer Column	S	OD: 48mm/3mm/1m	40	140.0	kg	65.00	9100.00
3	Inner Columns		OD: 60mm/2mm/5m	77	1155.0	kg	65.00	75075.00
4	Outer Columns		OD: 60mm/2mm/4m	40	480.0	kg	65.00	31200.00
5	Truss Pipe (Along the gable)		OD: 48mm/2mm/6m	104	1466.4	kg	65.00	95316.00
6	Purlin Pipe (Across the gable)		OD: 48mm/2mm/6m	108	1522.8	kg	65.00	98982.00
7	Corridor/Balcony Pipe		OD: 60mm/2mm/4.8m	44	633.6	kg	65.00	41184.00
8	Horizontal Member in Corrido	r	OD: 33mm/2mm/1.2m	44	84.5	kg	65.00	5491.20
9	Knee bracing at all columns		OD: 33mm/2mm/1.2m	424	814.1	kg	65.00	52915.20
10	HUMAN ENTRY		Double Door System	1	1		20000.00	20000.00
11	TRACTOR ENTRY		AS PER SPECIFICATIONS	1	1	set	14000.00	14000.00
12	CLAMPS, COUPLERS AND ALL HARD	WARE	2.5mm thick/300 GSM	APD	4081	sq.m	20.00	81620.00
						-TOTAL-A		536895.40
				İ		OUTY = 12.5	5%	67111.93
				1		OTAL-A		604007.33
В	CLADDING MATERIALS							
1	OPTINET OR EQUIVALENT ON	TOP	OPTINET: 40MESH 120 GSM/ WHITE C	3906	3906	sq.m	70.00	273420.00
2	OPTINET OR EQUIVALENT ON		OPTINET: 40MESH 120 GSM/ WHITE C		1713.6		70.00	119952.00
3	ALUMINET OR EQUIVALENT AS SECON		ALUMINET- 50% SHADE : 80GSM	3906		sq.m	80.00	312480.00
			7.202. 30,302. 10000	3300		OTAL-B	00.00	705852.00
С	OTHER MATERIALS				- 11	JIAL-B		703832.00
1	GALVALUME PROFILE		0 Comma this la / 100 120 CCN 1	928	928	I	45.00	41760.00
-			0.6mm thick/100-120GSM	928	1856		45.00	41760.00
2	Zig-zag Spring Insert GI WIRE FOR SHADE NET		2.5mm OD GI/PP COATED				10.00	18560.00
3	GI WIRE FOR SHADE NET		2.5mm OD/ 50-70 GSM		156.3		52.00	8126.98
4	Semi-automatic shade screen retrac	ction system	AS PER SPECIFICATIONS		4081.0	sq.m	60.00	244860.00
5	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM		312.6	kg	52.00	16253.95
6	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		1430		18.00	25740.00
7	Drip Irrigation System		AS PER SPECIFICATIONS		4081	sq.m	35.00	142835.00
8	Over head sprinkler system		AS PER SPECIFICATIONS		4081	sq.m	25.00	102025.00
	National Transport		100 micron polyfilm along with				60.00	472000 00
9	Micro Tunnel Assembly		components		2880	sq.m	60.00	172800.00
10	Vegetable seedling Tray (4nos,	/Sqmt)	98/104 cavity/0.7mm thick		15408	Nos	14.00	215712.00
	3 17 ( 1103)	. ,	,, , , , , , , , , , , , , , , , , , , ,	İ		OTAL-C		988672.93
	TOTAL STRUCTURAL MATER	RIAL COST				L- (A+B+C)		2298532.25
				S		(CST/VAT)	= 5%	114926.61
				<u> </u>		AL-(ABC)		2413458.87
D	FOUNDATION MATER	IALS		ı		•		
1	Foundations for corridors		Cement Concrete: 1:2:4	44	8.98	cu meter	5500.00	49377.00
2	Foundations for Outer column	ns	Cement Concrete: 1:2:4	40		cu meter	5500.00	37406.82
3	Foundations for Inner column		Cement Concrete: 1:2:4	77		cu meter	5500.00	26928.25
4	Flooring in Human Entry	-	CC and Brick Work	1		cu meter	12000.00	14400.00
	ooridinan Elitiy			<del>-</del>		OTAL-D	000.00	128112.07
Е	LABOR COST							
1	Foundation		6'/5'/3' depth x 15" & 12"	<u> </u>	161	Nos	150.00	24150.00
2	FABRICATION CHARGES		As per design requirement	<u> </u>		sq.m	40.00	163240.00
3	INSTALLATION CHARGES		As per design requirement	<u> </u>		sq.m	40.00	163240.00
4	TRANSPORTATION CHARGES		no per design requirement	i.	7001	124.111	70.00	30000.00
H	THE REST CHANGES			SUB-TOTAL-E				380630.00
				SERVICE TAX = 15%				57094.50
						OTAL-E	/0	437724.50
F	INSURANCE	Ctandar	d fire and special perils policy			of Unit Cos	·+	7448.24
⊢∸	INJURANCE	Statiudi	a me and special perils policy			ND TOTAL		2986743.67
				-		PER SQ.M		731.87
<b>-</b>				ı			Rs	731.87
Unit Cost Limited to Rs.								

		RPOSE SHADE NET HOUS	JE ****			l l	
FLAT	TOP NET HEIGHT ABOVE GROUND LEVEL 4 m	GRID SIZE: 8m X 5m		TOTA	AL AREA :	525	sq.m
S.No	Description Qty Unit	Description	Qty	Unit			
2	GABLE LENGTH 8 m SHADE SPAN WIDTH 5 m	NET GABLE LENGTH NET SHADE SPAN WIDTH	16 20		P411171	חווחח בר בי	JADE NICT
3	No.OF GABLES 2 No	NET CULTIVABLE AREA		sq.m		PURPOSE SI	
4	No.OF SHADE SPANS 4 No	GROSS GABLE LENGTH	21		HUUSI	E WITH CAB	LE PUKLIN
5 6	BALCONY ON FOUR SIDES 2.5 m Height of NET HOUSE 4 m	GROSS SHADE SPAN WIDTH GROSS SHADE AREA	25 525	m sq.m			
S.No	Description	Specification	Nos	Qty	Unit	Rate	Amount
	STRUCTURAL MATERIALS	ope and a second		٦٠,	<u> </u>	11410	7111104111
1	Wire Rope Stay rod/LIP-C PROFILE	14mm OD x 2m/LIP-C :3mm/1.5m	32	22.0	Nos	250.00	8000.00
2	Foundations for Outer Columns	· · · · · · · · · · · · · · · · · · ·					
<b>-</b>	Outer Columns	OD: 76mm/SHS:50X50/3.0mm/0.6m	16	72.0		65.00	4680.00
3	Inner Columns	OD: 90 mm/SHS:60X60/2.5mm/4m OD: 60mm/SHS:50X50/2mm/5m	16 3	352.0 45.0		65.00 65.00	22880.00 2925.00
	HUMAN ENTRY - Double Door System	GI Frame work 4m x 3m x 2m	1		set	15000.00	15000.00
6	CLAMPS, COUPLERS AND ALL HARDWARE ITEMS	2.5mm thick/300 GSM	LS		sq.m	20.00	10500.00
0	5, 6501 EE13 / 113 / 122 1 // 113 W/ 112 11 E113	2.511111 tillety 500 d51VI			B-TOTAL-A	20.00	63985.00
					DUTY = 12.	5%	7998.13
					OTAL-A	.570	71983.13
В	CLADDING MATERIALS				_		
1	SHADE NET - MONOFILAMENT	115 GSM/ WHITE/GREEN/BLACK COLO	393.12	393.12	sq.m	36.00	14152.32
2	INSECT PROOF NET ON SIDES	105 GSM/ WHITE COLOR/6.0m	655.2	655.2		40.00	26208.00
3	Shade net (Tape Type as second layer)	35%/50%-90GSM-WHITE/GREEN/BLACK	393.12	393.12	sq.m	25.00	9828.00
				T	OTAL-B		50188.32
С	OTHER MATERIALS						
	Anchoring rope	GI Wire rope: 6mm OD, 1 X 19/7 X 19	32	192.0		30.00	5760.00
2	Anchoring rope	GI Wire rope: 5mm OD, 1 X 19/7 X 19	32	160.0		25.00	4000.00
3	Cable Purlin	GI Wire rope: 5mm OD, 1 X 19/7 X 19	292	292.0		25.00	7300.00
	Wire Rope for Shade Net Support	GI Wire rope: 5mm OD, 1 X 19/7 X 20	156	156.0		25.00	3900.00
	PP/PET/Polyester rope	2.5mm OD	704	704.0		3.00	2112.00
	GALVALUME PROFILE	0.6mm thick/100-120GSM	120	120		45.00	5400.00
	Zig-zag Spring Insert  Manual Retraction Pulleys and PP Rope	2.5mm OD GI/PP COATED		240		10.00	2400.00
	GI WIRE FOR TRELLISING	AS PER SPECIFICATIONS	704	525.0		10.00 52.00	5250.00 1464.32
-		2.5mm OD/ 50-70 GSM	704	28.2 198		18.00	3564.00
	GI Wire Rope For Trellising Overhead sprinkler system	4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS			sq.m	25.00	13125.00
	Micro Tunnel	100 micron polyfilm along with		266.67		60.00	16000.00
13	Vegetable seedling Trays (4nos/Sqmt)	98/104 cavity/0.7mm thick		1426.7		14.00	19973.33
	Drip Irrigation System	AS PER SPECIFICATIONS			sq.m	35.00	18375.00
	, , , , , , , , , , , , , , , , , , , ,				OTAL-C	23.00	108623.65
	TOTAL STRUCTURAL MATERIAL COST				AL- (A+B+C	)	230795.10
					X(CST/VAT)	,	11539.75
				TO	TAL-(ABC)		242334.85
D	FOUNDATION MATERIALS						
	Foundations for corridors	B300 GRADE CC: 15" X 6'	32		cu meter	5500.00	34971.75
	Foundations for Outer columns	B300 GRADE CC: 15" X 5'	16		cu meter	5500.00	14571.56
3	Foundations for Inner columns	B300 GRADE GCC: 12" X 1m	3		cu meter	5500.00	1165.73
				T	OTAL-D		50709.04
E	LABOR COST	CI/EI/4 de 11 4 5 1 2 4 2 1			NI -	450.00	70-0 0-
	Foundation CHARGES	6'/5'/1m depth x 15" & 12"			Nos	150.00	7650.00
	FABRICATION CHARGES	As per design requirement			sq.m	50.00 50.00	26250.00
	INSTALLATION CHARGES TRANSPORTATION CHARGES	As per design requirement	525 sq.m 50.00			26250.00	
4	THANSPORTATION CHARGES			CIII	B-TOTAL-E		10000.00 <b>70150.00</b>
						5%	10522.50
	1		SERVICE TAX = 15% TOTAL-E			80672.50	
F	INSURANCE Standa	rd fire and special perils policy			of Unit Co	st	934.29
Ė	Julian Standar	a a and special perils policy			ND TOTAL		374650.68
					T PER SQ.N		713.62
Unit Cost Limited to Rs.					710.00		
Offic Cost Limited to Ks.							

FLAT	TOP NET HEIGHT ABOVE GROUND L	EVEL 4 m	GRID SIZE: 8m X 5m		TOT	AL AREA :	1015	sq.m	
S.No	Description (	Qty Unit	Description	Qty	Unit				
1	GABLE LENGTH	8 m	NET GABLE LENGTH	24	m	]			
3	SHADE SPAN WIDTH No.OF GABLES	5 m 3 No	NET SHADE SPAN WIDTH NET CULTIVABLE AREA		m sq.m	MULTI	PURPOSE SI	HADE NET	
4	No.OF SHADE SPANS	6 No	GROSS GABLE LENGTH		_ •	HOUSE	WITH CAB	BLE PURLIN	
5	BALCONY ON FOUR SIDES	2.5 m	GROSS SHADE SPAN WIDTH	35	m				
6	Height of NET HOUSE	4 m	GROSS SHADE AREA	1015	sq.m				
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount	
Α	STRUCTURAL MATERIALS								
1	Wire Rope Stay rod/LIP-C PROFILE		14mm OD x 2m/LIP-C :3mm/1.5m	48	48.0	Nos	250.00	12000.0	
2	Foundations for Outer Columns		OD:76mm/SHS:50X50/3.0mm/0.6m	24	108.0	kg	65.00	7020.00	
3	Outer Columns		OD: 90 mm/SHS:60X60/2.5mm/4m	24	528.0	kg	65.00	34320.00	
4	Inner Columns		OD: 60mm/SHS:50X50/2mm/5m	10	150.0	kg	65.00	9750.00	
5	HUMAN ENTRY - Double Door Systen	n	GI Frame work 4m x 3m x 2m	1		set	15000.00	15000.00	
6	CLAMPS, COUPLERS AND ALL HARDV	VARE	2.5mm thick/300 GSM	LS	1015	sq.m	20.00	20300.00	
					SUI	B-TOTAL-A		98390.00	
						DUTY = 12.	5%	12298.75	
					Т	OTAL-A		110688.75	
	CLADDING MATERIALS								
1	SHADE NET - MONOFILAMENT		115 GSM/ WHITE/GREEN/BLACK COLO	<b>†</b>		sq.m	36.00	30663.36	
2	INSECT PROOF NET ON SIDES	d la\	105 GSM/ WHITE COLOR/6.0m	882		sq.m	40.00	35280.00	
3	Shade net (Tape Type as second	ı ıayer)	35%/50%-90GSM-WHITE/GREEN/BLACK	852		sq.m	25.00	21294.00	
С	OTHER MATERIALS			<u> </u>	l	OTAL-B		87237.36	
1	Anchoring rope		GI Wire rope: 6mm OD, 1 X 19/7 X 19	48	288.0	m	30.00	8640.00	
	Anchoring rope  Anchoring rope		GI Wire rope: 5mm OD, 1 X 19/7 X 19	48	240.0		25.00	6000.00	
3	Cable Purlin		GI Wire rope: 5mm OD, 1 X 19/7 X 19	534	534.0		25.00	13350.00	
4	Wire Rope for Shade Net Suppo	ort	GI Wire rope: 5mm OD, 1 X 19/7 X 20	310	310.0		25.00	7750.00	
	PP/PET/Polyester rope		2.5mm OD	1584	1584.0		3.00	4752.00	
6	GALVALUME PROFILE		0.6mm thick/100-120GSM	120	120		45.00	5400.00	
	Zig-zag Spring Insert		2.5mm OD GI/PP COATED		240		10.00	2400.00	
	Manual Retraction Pulleys and PP Ro	pe	AS PER SPECIFICATIONS		1015.0		10.00	10150.00	
9	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM	1584	63.4	<u> </u>	52.00	3294.72	
10	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		400.4	_	18.00	7207.20	
	Overhead sprinkler system		AS PER SPECIFICATIONS		1015	sq.m	25.00	25375.00	
	Micro Tunnel		100 micron polyfilm along with		600	sq.m	60.00	36000.00	
13	Vegetable seedling Trays (4nd	os/Sqmt)	98/104 cavity/0.7mm thick		3210	Nos	14.00	44940.00	
14	Drip Irrigation System		AS PER SPECIFICATIONS		1015	sq.m	35.00	35525.00	
					7	OTAL-C		210783.92	
	TOTAL STRUCTURAL MATERI	IAL COST				AL- (A+B+C)		408710.03	
				:		X(CST/VAT)	= 5%	20435.50	
					TO	TAL-(ABC)		429145.53	
D	FOUNDATION MATERIA	ALS	2000 00105 25 15811 5			1			
	Foundations for corridors		B300 GRADE CC: 15" X 6'	48		cu meter	5500.00	52457.63	
	Foundations for Outer columns		B300 GRADE CC: 15" X 5'	24		cu meter	5500.00	21857.34	
3	Foundations for Inner columns		B300 GRADE GCC: 12" X 1m	10		cu meter	5500.00	3885.75 <b>78200.72</b>	
Е	LADOR COST				ı	OTAL-D		/8200./2	
E 1	LABOR COST Foundation		6'/5'/1m donth v 15" 0 12"		07	Nos	150.00	12200.00	
	FABRICATION CHARGES		6'/5'/1m depth x 15" & 12" As per design requirement			Nos sq.m	150.00 50.00	12300.00 50750.00	
	INSTALLATION CHARGES		As per design requirement			sq.m	50.00	50750.00	
	TRANSPORTATION CHARGES		no per design requirement	<u> </u>	1012	134.111	30.00	15000.00	
-	TIVINGI ONTATION CHANGES				SHI	B-TOTAL-E		128800.00	
						E TAX = 1	5%	19320.00	
						OTAL-E		148120.00	
F	INSURANCE	Standar	d fire and special perils policy			of Unit Co	st	1638.67	
-		2.2.7.001				ND TOTAL		657104.92	
						T PER SQ.M		647.39	
						t Limited to		647.00	
		JBSTITUTES/ADI	DITIONAL BASED ON THEIR PHYSICAL INSTALLA	TION IN TH					
1	INSECT PROOF NET ON TOP		105 GSM/ WHITE COLOR/5.2m		852	sq.m	40.00	34070.40	

S.No 1 2 3 4 5	TOP NET HEIGHT ABOVE GROUND LEVEL - 4 m           Description         Qty         Unit           GABLE LENGTH         8 m	GRID SIZE: 8m X 5m  Description	Qty	Unit	AL AREA :	2025	sq.m 
1 2 3 4 5	· · · · · · · · · · · · · · · · · · ·	•	Qtv	l Init			
2 3 4 5	GABLE LENGTH 8 m						
3 4 5	CHARE CRANIMIRTH 5 m	NET GABLE LENGTH NET SHADE SPAN WIDTH	40				
4 5	SHADE SPAN WIDTH 5 m No.OF GABLES 5 No	NET SHADE SPAN WIDTH NET CULTIVABLE AREA	40 1600		_	PURPOSE SH	
5	No.OF SHADE SPANS 8 No	GROSS GABLE LENGTH	45	_	HOUSE	E WITH CABL	E PURLIN
6	BALCONY ON FOUR SIDES 2.5 m	GROSS SHADE SPAN WIDTH	45				
6	Height of NET HOUSE 4 m	GROSS SHADE AREA	2025	sq.m			
S.No	Description	Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS						
1	Wire Rope Stay rod/LIP-C PROFILE	14mm OD x 2m/LIP-C :3mm/1.5m	72	72.0	Nos	250.00	18000.00
2	Foundations for Outer Columns	OD:76mm/SHS:50X50/3.0mm/0.6m	36	162.0	kg	65.00	10530.00
3	Outer Columns	OD: 90 mm/SHS:60X60/2.5mm/4m	36	792.0	kg	65.00	51480.00
4	Inner Columns	OD: 60mm/SHS:50X50/2mm/5m	28	420.0	kg	65.00	27300.00
5	HUMAN ENTRY - Double Door System	GI Frame work 4m x 3m x 2m	1	1	set	15000.00	15000.00
6	TRACTOR ENTRY	GI Frame work 2.7m x 2.7m	1	1	set	11000.00	11000.00
7	CLAMPS, COUPLERS AND ALL HARDWARE	2.5mm thick/300 GSM	LS	2025	sq.m	20.00	40500.00
			-	SUE	3-TOTAL-A		173810.00
				EXCISE	DUTY = 12.	.5%	21726.25
				Т	OTAL-A		195536.25
В	CLADDING MATERIALS						
1	SHADE NET - MONOFILAMENT	115 GSM/ WHITE/GREEN/BLACK COLO	1834.6	1834.6	sq.m	36.00	66044.16
2	INSECT PROOF NET ON SIDES	105 GSM/ WHITE COLOR/6.0m	1209.6	1209.6	sq.m	40.00	48384.00
3	Shade net (Tape Type as second layer)	35%/50%-90GSM-WHITE/GREEN/BLACK	1834.6	1834.6	sq.m	25.00	45864.00
				Т	OTAL-B		160292.16
	OTHER MATERIALS	1			1		
_	Anchoring rope	GI Wire rope: 6mm OD, 1 X 19/7 X 19	72	432.0		30.00	12960.00
	Anchoring rope	GI Wire rope: 5mm OD, 1 X 19/7 X 19	72	360.0		25.00	9000.00
3	Cable Purlin	GI Wire rope: 5mm OD, 1 X 19/7 X 19	1020	1020.0		25.00	25500.00
	Wire Rope for Shade Net Support	GI Wire rope: 5mm OD, 1 X 19/7 X 20	630	630.0		25.00	15750.00
	PP/PET/Polyester rope	2.5mm OD	3520	3520.0		3.00	10560.00
	GALVALUME PROFILE	0.6mm thick/100-120GSM	120	120	m	45.00	5400.00
	Zig-zag Spring Insert	2.5mm OD GI/PP COATED		240		10.00	2400.00
	Manual Retraction Pulleys and PP Rope	AS PER SPECIFICATIONS		2025.0	· ·	10.00	20250.00
	GI WIRE FOR TRELLISING	2.5mm OD/ 50-70 GSM	3520	140.8		52.00	7321.60
	GI Wire Rope For Trellising	4.0mm OD/ 1 X 19 or 7 x 19		831.6		18.00	14968.80
	Overhead sprinkler system	AS PER SPECIFICATIONS			sq.m	25.00	50625.00
	Micro Tunnel	100 micron polyfilm along with		1333.3	<u> </u>	60.00	80000.00
13	Vegetable seedling Trays (4nos/Sqmt)	98/104 cavity/0.7mm thick		7133.3		14.00	99866.67
14	Drip Irrigation System	AS PER SPECIFICATIONS			sq.m	35.00	70875.00
					OTAL-C		425477.07
	TOTAL STRUCTURAL MATERIAL COST				AL- (A+B+C)		781305.48
			- S		X(CST/VAT)	= 5%	39065.27
D	FOUNDATION MATERIALS			10	TAL-(ABC)		820370.75
	Foundations for corridors	B300 GRADE CC: 15" X 6'	72	14 31	cu meter	5500.00	78686.44
	Foundations for Outer columns	B300 GRADE CC: 15" X 5'	36		cu meter	5500.00	32786.02
	Foundations for Inner columns	B300 GRADE GCC: 12" X 1m	28		cu meter	5500.00	10880.10
	- canadans for finier columns	2550 SINISE GCC. 12 // 1111	20		OTAL-D	3300.00	122352.55
E	LABOR COST			<u> </u>			
1	Foundation	6'/5'/1m depth x 15" & 12"			Nos	150.00	20400.00
2	FABRICATION CHARGES	As per design requirement			sq.m	40.00	81000.00
3	INSTALLATION CHARGES	As per design requirement		2025	sq.m	40.00	81000.00
4	TRANSPORTATION CHARGES						20000.00
					B-TOTAL-E		202400.00
				SERVIC	30360.00		
		1.6	TOTAL-E				232760.00
F	INSURANCE Standa	rd fire and special perils policy			of Unit Co		2938.71
GRAND TOTAL			1178422.01				
COST PER SQ.M Unit Cost Limited to Rs.				581.94			
THE FOI	E FOLLOWING COMPONENTS ARE ALLOWED AS SUBSTITUTES BASED ON THEIR PHYSICAL INSTALLATION IN THE STRUCTURE FOR ADDITIONAL SUBSIDY			582.00			
	INSECT PROOF NET ON TOP	105 GSM/ WHITE COLOR/5.2m		1834.6		40.00	73382.40
							-

FLAT	TOP NET HEIGHT ABOVE GROUND LEVEL 4 m	GRID SIZE: 8m X 5m		TOT	AL AREA :	2915	sq.m
S.No	Description Qty Unit	Description	Qty	Unit		<u> </u>	
1	GABLE LENGTH 8 m	NET GABLE LENGTH	48		]		
2	SHADE SPAN WIDTH 5 m	NET SHADE SPAN WIDTH	50		MULTI	PURPOSE SI	HADE NET
3	No.OF GABLES 6 No No.OF SHADE SPANS 10 No	NET CULTIVABLE AREA GROSS GABLE LENGTH	2400 53		HOUS	E WITH CAB	LE PURLIN
5	BALCONY ON FOUR SIDES 2.5 m	GROSS SHADE SPAN WIDTH	55		i		
6	Height of NET HOUSE 4 m	GROSS SHADE AREA	2915	sq.m			
S.No	Description	Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS						
1	Wire Rope Stay rod/LIP-C PROFILE	14mm OD x 2m/LIP-C :3mm/1.5m	88	88.0	Nos	250.00	22000.0
2	Foundations for Outer Columns	OD:76mm/SHS:50X50/3.0mm/0.6m	44	198.0	kg	65.00	12870.0
3	Outer Columns	OD: 90 mm/SHS:60X60/2.5mm/4m	44	968.0	kg	65.00	62920.0
4	Inner Columns	OD: 60mm/SHS:50X50/2mm/5m	45	675.0	kg	65.00	43875.0
5	HUMAN ENTRY - Double Door System	GI Frame work 4m x 3m x 2m	1	1	set	15000.00	15000.0
6	TRACTOR ENTRY	GI Frame work 2.7m x 2.7m	1	1	set	11000.00	11000.0
7	CLAMPS, COUPLERS AND ALL HARDWARE	2.5mm thick/300 GSM	LS	2915	sq.m	20.00	58300.0
				SUI	B-TOTAL-A		225965.00
				EXCISE	DUTY = 12.	.5%	28245.63
				T	OTAL-A		254210.63
В	CLADDING MATERIALS	T	1		1	T	
	SHADE NET - MONOFILAMENT	115 GSM/ WHITE/GREEN/BLACK COLO			sq.m	36.00	98280.00
2	INSECT PROOF NET ON SIDES	105 GSM/ WHITE COLOR/6.0m	1436.4	1436.4	<del>-</del> '	40.00	57456.00
3	Shade net (Tape Type as second layer)	35%/50%-90GSM-WHITE/GREEN/BLACK	2730	2730	sq.m	25.00	68250.00
_				T	OTAL-B		223986.00
_	OTHER MATERIALS	T			1	20.00	45040.00
	Anchoring rope	GI Wire rope: 6mm OD, 1 X 19/7 X 19	88	528.0		30.00	15840.00
2	Anchoring rope	GI Wire rope: 5mm OD, 1 X 19/7 X 19	88	440.0		25.00	11000.00
	Cable Purlin	GI Wire rope: 5mm OD, 1 X 19/7 X 19	1442	1442.0		25.00	36050.00
	Wire Rope for Shade Net Support	GI Wire rope: 5mm OD, 1 X 19/7 X 20	914	914.0		25.00	22850.00
	PP/PET/Polyester rope GALVALUME PROFILE	2.5mm OD	5280	5280.0		3.00	15840.00 5400.00
		0.6mm thick/100-120GSM	120	120		45.00	
	Zig-zag Spring Insert  Manual Retraction Pulleys and PP Rope	2.5mm OD GI/PP COATED		240		10.00	2400.00 29150.00
		AS PER SPECIFICATIONS	F200	2915.0	<del>  '</del>	10.00	10982.40
_	GI WIRE FOR TRELLISING GI Wire Rope For Trellising	2.5mm OD/ 50-70 GSM	5280	211.2 1210		52.00	21780.00
		4.0mm OD/ 1 X 19 or 7 x 19 AS PER SPECIFICATIONS			sq.m	18.00 25.00	72875.00
	Overhead sprinkler system  Micro Tunnel	100 micron polyfilm along with			sq.m	60.00	120000.00
13	Vegetable seedling Trays (4nos/Sqmt)	98/104 cavity/0.7mm thick		10700		14.00	149800.00
	Drip Irrigation System	AS PER SPECIFICATIONS			sq.m	35.00	102025.00
14	Drip irrigation System	AS FER SPECIFICATIONS			OTAL-C	33.00	615992.40
	TOTAL STRUCTURAL MATERIAL COST				AL- (A+B+C	١	1094189.03
	TOTAL STRUCTURAL MIATERIAL COST				X(CST/VAT)		54709.45
					TAL-(ABC)	- 570	1148898.48
D	FOUNDATION MATERIALS						
1	Foundations for corridors	B300 GRADE CC: 15" X 6'	88	17.49	cu meter	5500.00	96172.31
2	Foundations for Outer columns	B300 GRADE CC: 15" X 5'	44		cu meter	5500.00	40071.80
3	Foundations for Inner columns	B300 GRADE GCC: 12" X 1m	45		cu meter	5500.00	17485.88
				T	OTAL-D		153729.98
E	LABOR COST						
1	Foundation	6'/5'/1m depth x 15" & 12"		177	Nos	150.00	26550.00
2	FABRICATION CHARGES	As per design requirement		2915	sq.m	40.00	116600.00
3	INSTALLATION CHARGES	As per design requirement		2915	sq.m	40.00	116600.00
4	TRANSPORTATION CHARGES					25000.00	
					B-TOTAL-E	284750.00	
					CE TAX = 1	42712.50	
					327462.50		
F						4075.23	
					ND TOTAL		1634166.19
					F PER SQ.N		560.61
HE FOI	LOWING COMPONENTS ARE ALLOWED AS SUBSTITU	TES BASED ON THEIR PHYSICAL INISTALLATION	ON INTHE		t Limited to		560.00
	INSECT PROOF NET ON TOP	105 GSM/ WHITE COLOR/5.2m			sq.m	40.00	109200.00
	Semi-automatic Shade net retraction system	AS PER SPECIFICATIONS			sa m	70.00	204050 00

2915 sq.m

70.00

204050.00

AS PER SPECIFICATIONS

Semi-automatic Shade net retraction system

FLAT	TOP NET HEIGHT ABOVE GROUND I	_EVEL 4 r	m GRID SIZE: 8m X !	5m		TOT	AL AREA :	3965	sq.m
S.No	Description	Qty Uni	t Description	0		Unit			
1	GABLE LENGTH	8 m	NET GABLE LENG	_	56				
3	SHADE SPAN WIDTH No.OF GABLES	5 m 7 No	NET SHADE SPAN WID		60		MULTI	PURPOSE SH	IADE NET
4	No.OF GABLES	12 No	GROSS GABLE LENG		3360 61	_	HOUS	E WITH CABI	E PURLIN
5	BALCONY ON FOUR SIDES	2.5 m	GROSS SHADE SPAN WIE		65	m			
6	Height of NET HOUSE	4 m	GROSS SHADE AF	REA	3965	sq.m			
S.No	Description		Specification		Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS								
1	Wire Rope Stay rod/LIP-C PROFILE		14mm OD x 2m/LIP-C :3mm/1.5m		104	104.0	Nos	250.00	26000.00
2	Foundations for Outer Columns		OD:76mm/SHS:50X50/3.0mm/0.6r	m	52	234.0	kg	65.00	15210.0
3	Outer Columns		OD: 90 mm/SHS:60X60/2.5mm/4n		52	1144.0		65.00	74360.0
4	Inner Columns		OD: 60mm/SHS:50X50/2mm/5m		66	990.0	- T	65.00	64350.0
5	HUMAN ENTRY - Double Door Syste	m	GI Frame work 4m x 3m x 2m		1		set	15000.00	15000.0
6	TRACTOR ENTRY	·			1		set	11000.00	11000.0
7	CLAMPS, COUPLERS AND ALL HARD	MΔRF	GI Frame work 2.7m x 2.7m  2.5mm thick/300 GSM		LS		sq.m	20.00	79300.0
,	CLAIVIT 3, COOT LERS AND ALL HARD	WAIL	2.5mm thicky 300 d3ivi		L3		B-TOTAL-A	20.00	
							_	F0/	285220.00
							DUTY = 12.	.5%	35652.50 <b>320872.5</b> 0
В	CLADDING MATERIALS		<b>I</b>				OTAL A	J	320072.30
	SHADE NET - MONOFILAMENT		115 GSM/ WHITE/GREEN/BLACK C	OLO	3800.2	3800.2	sq.m	36.00	136805.76
	INSECT PROOF NET ON SIDES		105 GSM/ WHITE COLOR/6.0m		1663.2			40.00	66528.00
3	Shade net (Tape Type as secon	d laver)	35%/50%-90GSM-WHITE/GREEN/BLACK		3800.2	3800.2	sq.m	25.00	95004.00
						T	OTAL-B		298337.70
С	OTHER MATERIALS								
1	Anchoring rope		GI Wire rope: 6mm OD, 1 X 19/7 X 19		104	624.0	m	30.00	18720.00
2	Anchoring rope		GI Wire rope: 5mm OD, 1 X 19/7 X 19		104	520.0	m	25.00	13000.0
3	Cable Purlin		GI Wire rope: 5mm OD, 1 X 19/7 X 19		1936	1936.0	m	25.00	48400.00
4	Wire Rope for Shade Net Supp	ort	GI Wire rope: 5mm OD, 1 X 19/7 X 20		1250	1250.0	m	25.00	31250.00
5	PP/PET/Polyester rope		2.5mm OD		7392	7392.0	m	3.00	22176.00
6	GALVALUME PROFILE		0.6mm thick/100-120GSM		120	120	m	45.00	5400.00
7	Zig-zag Spring Insert		2.5mm OD GI/PP COATED			240	m	10.00	2400.00
8	Manual Retraction Pulleys and PP Ro	ope	AS PER SPECIFICATIONS			3965.0	sq.m	10.00	39650.00
9	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM		7392	295.7	<del>  '</del>	52.00	15375.30
10	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19			1658.8	<del>                                     </del>	18.00	29858.40
11	Overhead sprinkler system		AS PER SPECIFICATIONS				sq.m	25.00	99125.00
12	Micro Tunnel		100 micron polyfilm along wit	th			sq.m	60.00	168000.00
13	Vegetable seedling Trays (4n	os/Samt)	' '			14980		14.00	209720.00
	Drip Irrigation System	33,34	AS PER SPECIFICATIONS				sq.m	35.00	138775.00
			7.5 TEN SI ESITION CHOICE				OTAL-C	33.00	841849.76
	TOTAL STRUCTURAL MATER	IAI COST					AL- (A+B+C	)	1461060.02
	101112011100101111211111111111						X(CST/VAT)	,	73053.00
							TAL-(ABC)	- 370	1534113.02
D	FOUNDATION MATERI	ALS					, ,		
1	Foundations for corridors		B300 GRADE CC: 15" X 6'		104	20.67	cu meter	5500.00	113658.19
2	Foundations for Outer column	s	B300 GRADE CC: 15" X 5'		52	8.61	cu meter	5500.00	47357.58
3	Foundations for Inner columns	5	B300 GRADE CC: 12" X 1m		66	4.66	cu meter	5500.00	25645.9
							OTAL-D		186661.7
E	LABOR COST								
1	Foundation		6'/5'/1m depth x 15" & 12"			222	Nos	150.00	33300.00
2	FABRICATION CHARGES		As per design requirement			3965	sq.m	40.00	158600.00
3	INSTALLATION CHARGES		As per design requirement				sq.m	40.00	158600.00
4	TRANSPORTATION CHARGES								30000.00
	SUB-TOTAL-E						380500.00		
		SERVICE TAX = 15%					57075.00		
					TOTAL-E				437575.00
F	INSURANCE	Stand	lard fire and special perils policy					5395.8	
	GRAND TOTAL				2163745.63				
				f			T PER SQ.N		545.7
					Unit Cost Limited to Rs.				546.00
		AS SUBSTI	TUTES BASED ON THEIR PHYSICAL INSTAL	LATIC	ON IN THE				
1	INSECT PROOF NET ON TOP		105 GSM/ WHITE COLOR/5.2m	_		3800.2		40.00	152006.40
2	Semi-automatic Shade net retraction	n system	AS PER SPECIFICATIONS			3965	sq.m	60.00	237900.00

Note: In any instance, The subsidy component cannot exceed Rs.355/- per sq.m

			SHADE NETHOUSE WITH	T			I	525 sq.m	
FLAT	TOP NET HEIGHT ABOVE GROUND	LEVEL 4 m	GRID SIZE: 8m X 5m		101	AL AREA :	525	sq.m	
	Description	Qty Unit	Description	Qty	Unit	1			
2	GABLE LENGTH SHADE SPAN WIDTH	8 m 5 m	NET GABLE LENGTH NET SHADE SPAN WIDTH	16 20		MULTI	PURPOSE S	HADE NET	
3	No.OF GABLES		NET CULTIVABLE AREA		sq.m	HOUSI	E WITH CAB	LE PURLIN	
4	No.OF SHADE SPANS		GROSS GABLE LENGTH	21			AND ALUMI	NET	
5 6	BALCONY ON FOUR SIDES Height of NET HOUSE		GROSS SHADE SPAN WIDTH GROSS SHADE AREA		m sq.m				
S.No	Description	7111	Specification	Nos	Qty	Unit	Rate	Amount	
	STRUCTURAL MATERIALS		Specification	1403	Qty	Oilit	Nate	Amount	
				T					
	Wire Rope Stay rod/LIP-C PRO		14mm OD x 2m/LIP-C :3mm/1.5n	32		Nos	250.00	8000.00	
-	Foundations for Outer Column	1S	OD:76mm/SHS:50X50/3.0mm/0.	16	72.0		65.00	4680.00	
	Outer Columns		OD: 90 mm/SHS:60X60/2.5mm/4		352.0		65.00	22880.00	
	Inner Columns		OD: 60mm/SHS:50X50/2mm/5m GI Frame work 4m x 3m x 2m	3	45.0		65.00	2925.00	
-		,		1		set	20000.00	20000.00	
6	CLAMPS, COUPLERS AND ALL HARDWA	LAMPS, COUPLERS AND ALL HARDWARE ITEMS 2		LS		sq.m	20.00	10500.00	
						B-TOTAL-A		68985.00	
						DUTY = 12.	.5%	8623.13	
_	01.455010.444755141.0			TOTAL-A				77608.13	
	CLADDING MATERIALS	TOD	I		202.42	1	<b>7</b> 0.00	0==10.10	
-	OPTINET OR EQUIVALENT ON		OPTINET: 40MESH 120 GSM/ WHITE C		393.12	† ·	70.00	27518.40	
3	OPTINET OR EQUIVALENT ON		OPTINET: 40MESH 120 GSM/ WHITE C ALUMINET- 50% SHADE : 80GSM		655.2	<del>                                     </del>	70.00 80.00	45864.00	
3	ALUMINET OR EQUIVALENT AS SECON	DLATER	ALUMINET - 50% SHADE : 80GSIVI	393.12	393.12	OTAL-B	80.00	31449.60 <b>104832.00</b>	
С	OTHER MATERIALS				<u>'</u>	UTAL-B		104652.00	
	Anchoring rope		GI Wire rope: 6mm OD, 1 X 19/7 X 19	32	192.0	m	30.00	5760.00	
H _	Anchoring rope		GI Wire rope: 5mm OD, 1 X 19/7 X 19	32	160.0		25.00	4000.00	
	Cable Purlin		GI Wire rope: 5mm OD, 1 X 19/7 X 19	292	292.0		25.00	7300.00	
-		ort	GI Wire rope: 5mm OD, 1 X 19/7 X 20	156	156.0	1	25.00	3900.00	
-	The hope to bridge the bapport		2.5mm OD	704	704.0	ł	3.00	2112.00	
			0.6mm thick/100-120GSM	120	120		45.00	5400.00	
-			2.5mm OD GI/PP COATED	120	240		10.00	2400.00	
	Manual Retraction Pulleys and PP R	lope	AS PER SPECIFICATIONS		525.0		10.00	5250.00	
	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM	704	28.2	<del>                                     </del>	52.00	1464.32	
10	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		198		18.00	3564.00	
	Overhead sprinkler system		AS PER SPECIFICATIONS			sq.m	25.00	13125.00	
	Micro Tunnel		100 micron polyfilm along with		266.67		60.00	16000.00	
13	Vegetable seedling Trays (4r	nos/Sqmt)	98/104 cavity/0.7mm thick		1426.7	Nos	14.00	19973.33	
14	Drip Irrigation System	•	AS PER SPECIFICATIONS		525	sq.m	35.00	18375.00	
						OTAL-C		108623.65	
	TOTAL STRUCTURAL MATER	RIAL COST			TOT	AL- (A+B+C	)	291063.78	
				9	SALES TA	X(CST/VAT)	= 5%	14553.19	
					то	TAL-(ABC)		305616.97	
D	FOUNDATION MATER	IALS							
1	Foundations for corridors		B300 GRADE CC: 15" X 6'	32	6.36	cu meter	5500.00	34971.75	
2	Foundations for Outer column	ns	B300 GRADE CC: 15" X 5'	16	2.65	cu meter	5500.00	14571.56	
3	Foundations for Inner column	S	B300 GRADE GCC: 12" X 1m	3		cu meter	5500.00	1165.73	
4	Flooring in Human Entry		CC and Brick Work	1		cu meter	12000.00	14400.00	
						OTAL-D	ı	65109.04	
E	LABOR COST								
	Foundation		6'/5'/1m depth x 15" & 12"	ļ		Nos	150.00	7650.00	
	FABRICATION CHARGES		As per design requirement			sq.m	50.00	26250.00	
	INSTALLATION CHARGES		As per design requirement	525 sq.m 50.00		26250.00			
4	TRANSPORTATION CHARGES						10000.00		
				SUB-TOTAL-E				70150.00	
				SERVICE TAX = 15%				10522.50	
<u> </u>	INCLIBANCE	<u> </u>	16. 1			OTAL-E		80672.50	
F	INSURANCE	Standar	d fire and special perils policy			of Unit Co		1128.50	
GRAND TOTAL				452527.00					
COST PER SQ.M					861.96				
Unit Cost Limited to Rs.						710.00			

			SHADE NETHOUSE WITH					
FLAT	TOP NET HEIGHT ABOVE GROUND	LEVEL 4 m	GRID SIZE: 8m X 5m		101/	AL AREA :	1015	sq.m
	Description	Qty Unit	Description	Qty	Unit			
2	GABLE LENGTH SHADE SPAN WIDTH	8 m 5 m	NET GABLE LENGTH NET SHADE SPAN WIDTH	24 30		MULTII	PURPOSE S	HADE NET
3	No.OF GABLES	3 No	NET CULTIVABLE AREA	720	sq.m	HOUSE	E WITH CAB	LE PURLIN
4 5	No.OF SHADE SPANS BALCONY ON FOUR SIDES	6 No 2.5 m	GROSS GABLE LENGTH GROSS SHADE SPAN WIDTH	29 35			AND ALUMI	NET
6	Height of NET HOUSE	2.5 III 4 m	GROSS SHADE AREA	1015				
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS				-3-7			
	Wire Rope Stay rod/LIP-C PRO		14mm OD v 2m/UD C ·2mm/1 En	48	48.0	Nos	250.00	12000.00
	<u> </u>		14mm OD x 2m/LIP-C :3mm/1.5n					
-	Foundations for Outer Column Outer Columns	IS	OD:76mm/SHS:50X50/3.0mm/0.	24	108.0	_	65.00	7020.00
	Inner Columns		OD: 90 mm/SHS:60X60/2.5mm/4		528.0	_	65.00 65.00	34320.00 9750.00
			OD: 60mm/SHS:50X50/2mm/5m GI Frame work 4m x 3m x 2m	10	150.0	set	20000.00	20000.00
$\vdash$	CLAMPS, COUPLERS AND ALL HARDWA		2.5mm thick/300 GSM	LS		sq.m	20.00	20300.00
U	CLAIVIES, COUPLERS AIND ALL HAKDWA	TITE I I EIVIJ	2.3mm mick/ 300 G3IVI	LJ			20.00	103390.00
				SUB-TOTAL-A EXCISE DUTY = 12.5%			5%	12923.75
				TOTAL-A			116313.75	
В	CLADDING MATERIALS		<u> </u>	TOTAL-A				110313./3
	OPTINET OR EQUIVALENT ON	TOP	OPTINET: 40MESH 120 GSM/ WHITE C	852	852	sq.m	70.00	59623.20
	OPTINET OR EQUIVALENT ON		OPTINET: 40MESH 120 GSM/ WHITE C			sq.m	70.00	61740.00
-	ALUMINET OR EQUIVALENT AS SECON		ALUMINET- 50% SHADE : 80GSM	852		sq.m	80.00	68140.80
						OTAL-B		189504.00
С	OTHER MATERIALS			<u> </u>				
1	Anchoring rope		GI Wire rope: 6mm OD, 1 X 19/7 X 19	48	288.0	m	30.00	8640.00
	Anchoring rope		GI Wire rope: 5mm OD, 1 X 19/7 X 19	48	240.0		25.00	6000.00
			GI Wire rope: 5mm OD, 1 X 19/7 X 19	534	534.0		25.00	13350.00
4	Wire Rope for Shade Net Supp	ort	GI Wire rope: 5mm OD, 1 X 19/7 X 20	310	310.0	m	25.00	7750.00
			2.5mm OD	1584	1584.0	m	3.00	4752.00
6			0.6mm thick/100-120GSM	120	120	m	45.00	5400.00
7	Zig-zag Spring Insert		2.5mm OD GI/PP COATED		240	m	10.00	2400.00
8	Manual Retraction Pulleys and PP R	оре	AS PER SPECIFICATIONS		1015.0	sq.m	10.00	10150.00
9	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM	1584	63.4	kg	52.00	3294.72
	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		400.4		18.00	7207.20
	Overhead sprinkler system		AS PER SPECIFICATIONS			sq.m	25.00	25375.00
$\vdash$	Micro Tunnel		100 micron polyfilm along with			sq.m	60.00	36000.00
13	Vegetable seedling Trays (4r	nos/Sqmt)	98/104 cavity/0.7mm thick		3210		14.00	44940.00
14	Drip Irrigation System		AS PER SPECIFICATIONS			sq.m	35.00	35525.00
						OTAL-C	,	210783.92
	TOTAL STRUCTURAL MATER	RIAL COST				AL- (A+B+C)		516601.67
						X(CST/VAT)	= 5%	25830.08
	FOLINDATION	IAIC			10	TAL-(ABC)		542431.75
D 1	FOUNDATION MATER	IALS	D200 CDADE CC: 15" V C	40	0.54	cu motor	FF00 00	F24F7 C2
	Foundations for corridors Foundations for Outer column	nc .	B300 GRADE CC: 15" X 6' B300 GRADE CC: 15" X 5'	48 24		cu meter cu meter	5500.00 5500.00	52457.63 21857.34
_	Foundations for Outer column		B300 GRADE CC: 15" X 5"	10		cu meter	5500.00	3885.75
	Flooring in Human Entry	J	CC and Brick Work	10		cu meter	12000.00	14400.00
4	riooning in Human Endly		CC and Drick WOLK	1		OTAL-D	12000.00	92600.72
Е	LABOR COST				•	J.AL-D		32000.72
	Foundation		6'/5'/1m depth x 15" & 12"		87	Nos	150.00	12300.00
-	FABRICATION CHARGES		As per design requirement			sq.m	50.00	50750.00
	INSTALLATION CHARGES		As per design requirement				50.00	50750.00
	TRANSPORTATION CHARGES		,	1015 sq.m 50.00			15000.00	
	2 2			SUB-TOTAL-E				128800.00
				SUB-TOTAL-E SERVICE TAX = 15%				19320.00
				TOTAL-E				148120.00
F	INSURANCE	Standar	d fire and special perils policy		0.25%	of Unit Co	st	1957.88
		GRAND TOTAL					785110.35	
COST PER SQ.M					773.51			
Unit Cost Limited to Rs.						710.00		

	BOM OF MULTIPUR	PUSE 8	SHADE NETHOUSE WITH	CABL	E PUKI	LIN AND	ALUMINE	<u> </u>
FLAT	TOP NET HEIGHT ABOVE GROUND LEV	VEL 4 m	GRID SIZE: 8m X 5m		TOTA	AL AREA:	2025	sq.m
S.No	Description Qt	y Unit	Description	Qty	Unit			
1	GABLE LENGTH	8 m	NET GABLE LENGTH	40		MULTII	PURPOSE S	HADE NET
3	SHADE SPAN WIDTH No.OF GABLES	5 m 5 No	NET SHADE SPAN WIDTH NET CULTIVABLE AREA	40 1600			WITH CAB	
4	No.OF SHADE SPANS	8 No	GROSS GABLE LENGTH	45	•		AND ALUMI	
5		2.5 m	GROSS SHADE SPAN WIDTH	45		·	THE PRESIDENT	
6 C N =	Height of NET HOUSE	4 m	GROSS SHADE AREA	2025	•	11	D-1-	•
S.No	Description		Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS			1		1		
1	Wire Rope Stay rod/LIP-C PROFIL	E	14mm OD x 2m/LIP-C :3mm/1.5n	72	72.0	Nos	250.00	18000.00
2	Foundations for Outer Columns		OD:76mm/SHS:50X50/3.0mm/0.	36	162.0	kg	65.00	10530.00
3	Outer Columns		OD: 90 mm/SHS:60X60/2.5mm/4	36	792.0	kg	65.00	51480.00
4	ner Columns		OD: 60mm/SHS:50X50/2mm/5m	28	420.0	kg	65.00	27300.00
5	HUMAN ENTRY - Double Door Sys	stem	GI Frame work 4m x 3m x 2m	1	1	set	20000.00	20000.00
6	TRACTOR ENTRY		GI Frame work 2.7m x 2.7m	1		set	14000.00	14000.00
7	CLAMPS, COUPLERS AND ALL HARDWARE	ITEMS	2.5mm thick/300 GSM	LS	2025	sq.m	20.00	40500.00
					SUE	B-TOTAL-A		181810.00
						DUTY = 12.	5%	22726.25
<u> </u>					Т	OTAL-A		204536.25
В	CLADDING MATERIALS			465	400:	<u> </u>		465
1	OPTINET OR EQUIVALENT ON TO		OPTINET: 40MESH 120 GSM/ WHITE C		1834.6	•	70.00	128419.20
2	OPTINET OR EQUIVALENT ON SID		OPTINET: 40MESH 120 GSM/ WHITE C		1209.6		70.00	84672.00
3	ALUMINET OR EQUIVALENT AS SECOND L	AYEK	ALUMINET- 50% SHADE : 80GSM	1834.6	1834.6		80.00	146764.80
С	OTHER MATERIALS			TOTAL-B			359856.00	
1			GI Wire rope: 6mm OD, 1 X 19/7 X 19	72	432.0	m	30.00	12960.00
2	Anchoring rope Anchoring rope		GI Wire rope: 5mm OD, 1 X 19/7 X 19	72	360.0		25.00	9000.00
	7.11.01.101.11.61.000		GI Wire rope: 5mm OD, 1 X 19/7 X 19	1020	1020.0		25.00	25500.00
<b>—</b>	Wire Rope for Shade Net Support	<u> </u>	GI Wire rope: 5mm OD, 1 X 19/7 X 20	630	630.0		25.00	15750.00
-	PP/PET/Polyester rope		2.5mm OD	3520	3520.0		3.00	10560.00
6	GALVALUME PROFILE		0.6mm thick/100-120GSM	120	120		45.00	5400.00
7	Zig-zag Spring Insert		2.5mm OD GI/PP COATED	_	240		10.00	2400.00
8	Semi-automatic Shade net retraction s	ystem	AS PER SPECIFICATIONS		2025.0	sq.m	80.00	162000.00
9	GI WIRE FOR TRELLISING		2.5mm OD/ 50-70 GSM	3520	140.8	kg	52.00	7321.60
10	GI Wire Rope For Trellising		4.0mm OD/ 1 X 19 or 7 x 19		831.6	m	18.00	14968.80
11	Overhead sprinkler system		AS PER SPECIFICATIONS		2025	sq.m	25.00	50625.00
12	Micro Tunnel		100 micron polyfilm along with		1333.3	sq.m	60.00	80000.00
13	Vegetable seedling Trays (4nos	/Sqmt)	98/104 cavity/0.7mm thick		7133.3	Nos	14.00	99866.67
14	Drip Irrigation System		AS PER SPECIFICATIONS		2025		35.00	70875.00
						OTAL-C		567227.07
	TOTAL STRUCTURAL MATERIA	L COST				AL- (A+B+C)		1131619.32
				9		X(CST/VAT)	= 5%	56580.97
_	FOUNDATION	6			10	TAL-(ABC)		1188200.28
D 1	FOUNDATION MATERIAL	.3	D200 CDADE CC: 15" V C	72	14 24	cu motor	FF00 00	70606 44
1	Foundations for Corridors		B300 GRADE CC: 15" X 6'	72		cu meter	5500.00	78686.44
2	Foundations for Outer columns Foundations for Inner columns		B300 GRADE CC: 15" X 5' B300 GRADE GCC: 12" X 1m	36 28		cu meter cu meter	5500.00 5500.00	32786.02 10880.10
3	Flooring in Human Entry		CC and Brick Work	1		cu meter	12000.00	14400.00
4	TIOOTING IN HUMAN ENUTY		CC and brick WOLK	1		OTAL-D	12000.00	136752.55
E	LABOR COST				•	OTAL-D		20732.33
<b>—</b>	Foundation		6'/5'/1m depth x 15" & 12"		136	Nos	150.00	20400.00
2	FABRICATION CHARGES		As per design requirement			sq.m	40.00	81000.00
3	INSTALLATION CHARGES		As per design requirement			sq.m	40.00	81000.00
4	TRANSPORTATION CHARGES		· · · · ·					20000.00
				SUB-TOTAL-E			202400.00	
				SERVICE TAX = 15%				30360.00
					Т	OTAL-E		232760.00
F	INSURANCE	Standar	d fire and special perils policy		0.25%	of Unit Co	st	3894.28
					GRA	ND TOTAL		1561607.12
						F PER SQ.N		771.16
Unit Cost Limited to Rs.								710.00

	BOM OF MULTIPURPOSI	SHADE NETHOUSE WITH	/ITH CABLE PURLIN AND ALUMI		ALUMINE		
FLAT	TOP NET HEIGHT ABOVE GROUND LEVEL 4 I	m GRID SIZE: 8m X 5m		TOT	AL AREA :	2915	sq.m
S.No	Description Qty Uni	•	Qty	Unit			
1	GABLE LENGTH 8 m	NET GABLE LENGTH			MULTI	PURPOSE S	HADE NET
3	SHADE SPAN WIDTH 5 m No.OF GABLES 6 No	NET SHADE SPAN WIDTH NET CULTIVABLE AREA	50 2400		HOUS	E WITH CAB	LE PURLIN
4	No.OF SHADE SPANS 10 No	GROSS GABLE LENGTH	53	m		AND ALUMI	
5	BALCONY ON FOUR SIDES 2.5 m	GROSS SHADE SPAN WIDTH					
6 <b>S.No</b>	Height of NET HOUSE 4 m  Description	GROSS SHADE AREA  Specification		sq.m	Linit	Roto	Amount
	•	Specification	Nos	Qty	Unit	Rate	Amount
Α	STRUCTURAL MATERIALS	T	_	Ι	1	ı	
1	Wire Rope Stay rod/LIP-C PROFILE	14mm OD x 2m/LIP-C :3mm/1.5r	88	88.0	Nos	250.00	22000.00
2	Foundations for Outer Columns	OD:76mm/SHS:50X50/3.0mm/0.	44	198.0		65.00	12870.00
3	Outer Columns	OD: 90 mm/SHS:60X60/2.5mm/4	44	968.0		65.00	62920.00
4	Inner Columns	OD: 60mm/SHS:50X50/2mm/5m	45	675.0	kg	65.00	43875.00
5	HUMAN ENTRY - Double Door System	GI Frame work 4m x 3m x 2m	1	1	set	20000.00	20000.00
6	TRACTOR ENTRY	GI Frame work 2.7m x 2.7m	1		set	14000.00	14000.00
7	CLAMPS, COUPLERS AND ALL HARDWARE ITEMS	2.5mm thick/300 GSM	LS	2915	sq.m	20.00	58300.00
					B-TOTAL-A		233965.00
					DUTY = 12.	.5%	29245.63
<u> </u>	OLABBINO MATERIAL S			Т	OTAL-A		263210.63
B 1	CLADDING MATERIALS	ODTINET 101 FOURTH 1	2700	2700		70.00	404400 00
1	OPTINET OR EQUIVALENT ON TOP	OPTINET: 40MESH 120 GSM/ WHITE C			sq.m	70.00	191100.00
3	OPTINET OR EQUIVALENT ON SIDES ALUMINET OR EQUIVALENT AS SECOND LAYER	OPTINET: 40MESH 120 GSM/ WHITE C		1436.4	<u>'</u>	70.00	100548.00
3	ALUMINET OR EQUIVALENT AS SECOND LATER	ALUMINET- 50% SHADE : 80GSM	2/30	2730 2730 sq.m 80.00		218400.00 <b>510048.00</b>	
С	OTHER MATERIALS		TOTAL-B			510048.00	
1	Anchoring rope	GI Wire rope: 6mm OD, 1 X 19/7 X 19	88	528.0	lm	30.00	15840.00
2	Anchoring rope	GI Wire rope: 5mm OD, 1 X 19/7 X 19	88	440.0		25.00	11000.00
	Cable Purlin	GI Wire rope: 5mm OD, 1 X 19/7 X 19	1442	1442.0		25.00	36050.00
	Wire Rope for Shade Net Support	GI Wire rope: 5mm OD, 1 X 19/7 X 20	914	914.0		25.00	22850.00
-	PP/PET/Polyester rope	2.5mm OD	5280	5280.0		3.00	15840.00
6	GALVALUME PROFILE	0.6mm thick/100-120GSM	120	120		45.00	5400.00
7	Zig-zag Spring Insert	2.5mm OD GI/PP COATED		240		10.00	2400.00
8	Semi-automatic Shade net retraction system	AS PER SPECIFICATIONS		2915.0	sq.m	70.00	204050.00
9	GI WIRE FOR TRELLISING	2.5mm OD/ 50-70 GSM	5280	211.2	kg	52.00	10982.40
10	GI Wire Rope For Trellising	4.0mm OD/ 1 X 19 or 7 x 19		1210	m	18.00	21780.00
11	Overhead sprinkler system	AS PER SPECIFICATIONS		2915	sq.m	25.00	72875.00
12	Micro Tunnel	100 micron polyfilm along with		2000	sq.m	60.00	120000.00
13	Vegetable seedling Trays (4nos/Sqmt)	98/104 cavity/0.7mm thick		10700	Nos	14.00	149800.00
14	Drip Irrigation System	AS PER SPECIFICATIONS		2915	sq.m	35.00	102025.00
				7	OTAL-C		790892.40
	TOTAL STRUCTURAL MATERIAL COST	•			AL- (A+B+C		1564151.03
			:		X(CST/VAT)	= 5%	78207.55
				TO	TAL-(ABC)		1642358.58
D	FOUNDATION MATERIALS				ı		
1	Foundations for corridors	B300 GRADE CC: 15" X 6'	88		cu meter	5500.00	96172.31
2	Foundations for Outer columns	B300 GRADE CC: 15" X 5'	44		cu meter	5500.00	40071.80
3	Foundations for Inner columns	B300 GRADE GCC: 12" X 1m	45		cu meter	5500.00	17485.88
4	Flooring in Human Entry	CC and Brick Work	1		cu meter	12000.00	14400.00
<del>-</del>	LAROR COST			T T	OTAL-D		168129.98
1 1	LABOR COST Foundation	6'/5'/1m depth x 15" & 12"		177	Nos	150.00	26550.00
2	FABRICATION CHARGES	As per design requirement			sq.m	40.00	116600.00
3	INSTALLATION CHARGES	As per design requirement  As per design requirement			sq.m	40.00	116600.00
4	TRANSPORTATION CHARGES	7.5 per design requirement	I	2913	124.111	<del>-</del> 0.00	25000.00
F -	THE STATE OF THE S		SUB-TOTAL-E			284750.00	
			SERVICE TAX = 15%			42712.50	
			TOTAL-E			327462.50	
F	INSURANCE Stand	lard fire and special perils policy			of Unit Co	st	5344.88
	GRAND TOTAL		2143295.94				
					T PER SQ.N		735.26
Unit Cost Limited to Rs.			710.00				
		-					

	BOM OF MULTIPURPOS	SE SHADE NETHOUSE WITH	/ITH CABLE PURLIN AND ALUMIN				
FLAT	TOP NET HEIGHT ABOVE GROUND LEVEL 4	GRID SIZE: 8m X 5m		TOT	AL AREA :	3965	sq.m
S.No		nit Description	Qty	Unit	]		
1 2	GABLE LENGTH 8 m SHADE SPAN WIDTH 5 m				MULTI	PURPOSE S	HADE NET
3	No.OF GABLES 7 No.			sq.m	HOUS	E WITH CAB	LE PURLIN
4	No.OF SHADE SPANS 12 No.		61	m	] .	AND ALUMI	NET
5 6	BALCONY ON FOUR SIDES 2.5 m  Height of NET HOUSE 4 m			m sq.m			
S.No	Description Description	Specification	Nos	Qty	Unit	Rate	Amount
A	STRUCTURAL MATERIALS	Specification	1103	Qty	- Oine	Hate	Amount
1	Wire Rope Stay rod/LIP-C PROFILE	14mm OD x 2m/LIP-C :3mm/1.5	104	104.0	Nos	250.00	26000.00
	Foundations for Outer Columns	OD:76mm/SHS:50X50/3.0mm/0		234.0		65.00	
3	Outer Columns	OD: 90 mm/SHS:60X60/2.5mm/		1144.0		65.00	15210.00 74360.00
	Inner Columns	OD: 60mm/SHS:50X50/2mm/5m		990.0		65.00	64350.00
5	HUMAN ENTRY - Double Door System	GI Frame work 4m x 3m x 2m	1		set	20000.00	20000.00
6	TRACTOR ENTRY	GI Frame work 2.7m x 2.7m	1		set	14000.00	14000.00
7	CLAMPS, COUPLERS AND ALL HARDWARE ITEMS	2.5mm thick/300 GSM	LS		sq.m	20.00	79300.00
		,			B-TOTAL-A		293220.00
				EXCISE DUTY = 12.5%			36652.50
					OTAL-A		329872.50
В	CLADDING MATERIALS						
1	OPTINET OR EQUIVALENT ON TOP	OPTINET: 40MESH 120 GSM/ WHITE O		3800.2	<u> </u>	70.00	266011.20
2	OPTINET OR EQUIVALENT ON SIDES	OPTINET: 40MESH 120 GSM/ WHITE O	-	1663.2	<u> </u>	70.00	116424.00
3	ALUMINET OR EQUIVALENT AS SECOND LAYER	ALUMINET- 50% SHADE : 80GSM	3800.2			304012.80	
_	OTHER MATERIAL O		TOTAL-B			686448.00	
<b>c</b>	OTHER MATERIALS	CI Wire rone: 6mm OD 1 V 10/7 V 10	104	624.0	1	20.00	18720.00
2	Anchoring rope Anchoring rope	GI Wire rope: 6mm OD, 1 X 19/7 X 19 GI Wire rope: 5mm OD, 1 X 19/7 X 19	104 104	624.0 520.0		30.00 25.00	13000.00
	Cable Purlin	GI Wire rope: 5mm OD, 1 X 19/7 X 19	1936	1936.0		25.00	48400.00
	Wire Rope for Shade Net Support	GI Wire rope: 5mm OD, 1 X 19/7 X 20	1250	1250.0		25.00	31250.00
-	PP/PET/Polyester rope	2.5mm OD	7392	7392.0		3.00	22176.00
6	GALVALUME PROFILE	0.6mm thick/100-120GSM	120	120		45.00	5400.00
7	Zig-zag Spring Insert	2.5mm OD GI/PP COATED		240		10.00	2400.00
8	Semi-automatic Shade net retraction system	AS PER SPECIFICATIONS		3965.0	sq.m	60.00	237900.00
9	GI WIRE FOR TRELLISING	2.5mm OD/ 50-70 GSM	7392	295.7	kg	52.00	15375.36
10	GI Wire Rope For Trellising	4.0mm OD/ 1 X 19 or 7 x 19		1658.8	m	18.00	29858.40
11	Overhead sprinkler system	AS PER SPECIFICATIONS			sq.m	25.00	99125.00
12	Micro Tunnel	100 micron polyfilm along with			sq.m	60.00	168000.00
13	Vegetable seedling Trays (4nos/Sqm	-		14980		14.00	209720.00
14	Drip Irrigation System	AS PER SPECIFICATIONS			sq.m	35.00	138775.00
$\vdash$	TOTAL CERLICIUM AAATERIA: CO.	T			OTAL-C	١	1040099.76
	TOTAL STRUCTURAL MATERIAL COS	01			4L- (A+B+C		2056420.26
					X(CST/VAT) <b>TAL-(ABC)</b>	J - 5%	102821.01 <b>2159241.27</b>
D	FOUNDATION MATERIALS			10	(ADC)		
1	Foundations for corridors	B300 GRADE CC: 15" X 6'	104	20.67	cu meter	5500.00	113658.19
2	Foundations for Outer columns	B300 GRADE CC: 15" X 5'	52		cu meter	5500.00	47357.58
3	Foundations for Inner columns	B300 GRADE CC: 12" X 1m	66		cu meter	5500.00	25645.95
4	Flooring in Human Entry	CC and Brick Work	1		cu meter	12000.00	14400.00
				T	OTAL-D		201061.72
E	LABOR COST						
	Foundation	6'/5'/1m depth x 15" & 12"			Nos	150.00	33300.00
2	FABRICATION CHARGES	As per design requirement			sq.m	40.00	158600.00
3	INSTALLATION CHARGES	As per design requirement		l	sq.m	40.00	158600.00
4	TRANSPORTATION CHARGES	MATERIALS	+ MEN +				30000.00
			SUB-TOTAL-E			380500.00	
			SERVICE TAX = 15% TOTAL-E			57075.00 437575.00	
F	INSURANCE Star	ndard fire and special perils policy				st	6994.69
<u> </u>	F INSURANCE Standard fire and special perils policy 0.25% of Unit Cost  GRAND TOTAL		2804872.68				
					T PER SQ.N		707.41
					t Limited t		707.00

#### **MULCHING**

Mulching is a practice followed for conservation of moisture, to check weed growth and to improve the quality of Horticulture produce.

# **Thickness of Film:**

In plastic mulching, the thickness of mulch film should be in accordance with type & age of crops. Economics suggest that the film thickness should be the minimum possible commensurate with desired life & strength. The recommended thickness of mulch films for different crops is as under:

Thickness (microns)	Crops Recommended
20-25	Annual - short duration crops
40-50	Biennial - medium duration crops
50-100	Perineal - long duration crops

#### **Extent of Surface to be Covered under Film:**

% Coverage	Crops Recommended
20-25	All creeper crops
40-50	Initial stage of orchard crops
40-60	Fruit crops & cucurbitaceous
70-80	Vegetables, Papaya, pineapple etc.
90-100	Soil Solarization

Mulching area should preferably be equivalent to the canopy of the plant (larger the canopy, larger the area of mulching and vice versa).

# **Calculation of Mulch Film Requirement (Approximately):**

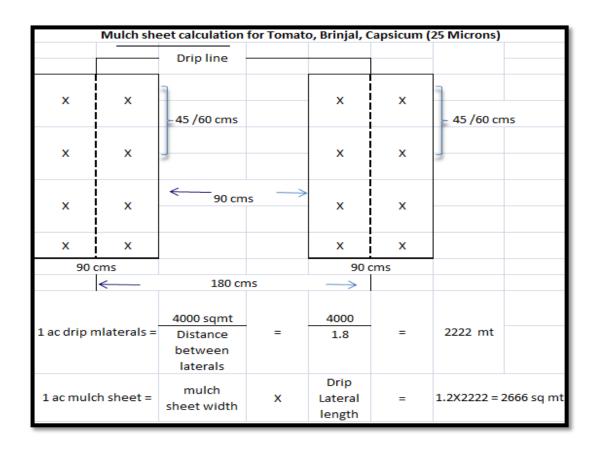
	Thicknes	s	Area coverage	Weight
Micron	Gauge	mm	(m2/kg)	(Gram/m2)
7	28	0.007	144	6.9
20	80	0.02	54	18.4
25	100	0.25	42	23
40	160	0.04	26	38
50	200	0.05	21	46
100	400	0.10	11	93

# **Indicative Cost of Plastic Mulching:**

On the basis of 80% coverage of area under the film, indicative cost of mulching for Horticulture crops would be approximately Rs. 32,000/- per ha.

# **Examples for calculation of requirement of Mulch Sheet:**

		Mulch she	et calculat	ion for Ban	ana (30 M	icrons)		
		Drip line						
	×	- 150 cms			×	- 150 cms		
	x	J		_	х	J		
	×				×			
	×				×			
	<b>←</b>	150 cn	ns	_	$\rightarrow$			
1 ac drip mlaterals =		4000 sqmt Distance between laterals	=	4000 1.5	=	2666 mt		
1 ac mulch sheet =		mulch sheet width	×	Drip Lateral length	=	1.2X2666 = 3	3200 sq mt	



#### **Terms & Conditions:**

- 1. Farmers once availed subsidy is not eligible.
- 2. 50% cost limited with maximum limit is 2 ha / beneficiary.
- The selected beneficiaries should be given training programme on concept of Mulching, benefits of mulching, selection of mulch sheet, quantity required and gauge of mulch sheet.
- 4. Farmers will be given choice to procure the mulching sheet of their own choice by incurring full cost of mulching material. After verification of the vouchers and physical verification in the field, the assistance will be online transferred to the farmers account as per the eligibility and cost norms.
- 5. A display board depicting "Department of Horticulture" (MIDH, Assisted Polyhouse with logo of MIDH).
- 6. Only Horticulture Crops are eligible for assistance.
- 7. DMC approval to be obtained for identified beneficiaries and for final release of assistance.
- 8. The scheme shall be implemented for promoting intensive cultivation of vegetables in a cluster mode by giving due priority to SF / MF and SC & ST.
- 9. Documentation with photo graphs after laying out of mulch.
- 10. Application registration in Hort net should be done by the concerned HO.
- 11. Uploading the bills and field photos in hortnet should be done by the HO/ADH for release of subsidy to the beneficiary through online transfer.

# $\frac{\text{WORK FLOW \& CHECK LIST FOR DOCUMENTS TO BE SUBMITTED FOR}}{\text{MULCHING}}$

SI.No.	Description	Documents to be submitted by / Action to be taken		
1	Application Form –Format-I	Farmer		
2	Pattadar Pass Book Copy	Farmer		
3	Application registration in Hortnet	HO /Farmer		
4	District Mission Committee Approval	ADH		
5	Organization of Training Programe to identified beneficiaries	HO / ADH		
6	Issue of Administrative Sanction	ADH		
7	Laying out of Mulching	Farmer		
8	Submission of bills and raising of invoice	Farmer / HO		
9	Constitution of Joint Inspection Committee	ADH		
10	Joint Inspection Report – Format –VI	Committee Members		
11	Obtaining DMC approval for sanction and release of assistance	ADH		
12	Uploading the bills and field photos in hortnet for release of subsidy	HO/ADH		
13	Online transfer of assistance to beneficiary	ADH		

#### Format - VI

# FORMAT TO CONDUCT FINAL AND JOINT INSPECTION OF MULCHING BY THE COMMITTEE UNDER PROTECTED CULTIVATION. Name of the Survey Survey Survey Survey Survey Area Constructed by Recommended

SI.No.	Name of the Farmer & Address	Category	Village	Mandal	Survey No.	Area in Ha.	Crop	Expenditure incurred by the farmer (Rs.)	Subsidy recommended by the committee (Rs.)	Remarks	
1	2	3	4	5	6	7	8	9	10	11	

# **Certificates:**

	,		,												
2	2) This	is to	certify	that al	I the orig	ginal purc	chase bills	of the it	ems for	expenditure	incurred as	s mentioned	in column no.	9 have bee	n verified

and found correct.	
3) This is to certify that the above farmers are eligible to avail sub	osidy of Rs/- as mentioned in column no. 10
4) The subsidy amount of Rs.	/- may be released

1) This is to certify that the above farmers have laid Mulch Sheet as per the norms of MIDH.

HO

# **SUCCESS STORY ON MULCHING**

Success Story of Sri. A. Mohan Raju who made good profits during 2014-15 by adopting Mulching in cultivation of Musk Melon in Ramasamudram Mandal of Chittoor District under MIDH



	T .	1			
Farmer's Name	A. Mohan Raju				
Contact No.	9491313134				
Village	Arikela				
Mandal	Ramasamudram				
District	Chittoor				
Name of the Crop	Muskmelon				
Variety	Kundan (Nony seeds)				
Extent(Ha)	2				
Total Cost(Rs)	64000				
Subsidy availed for 1 Ha (in Rs.)	16000				
Year of Subsidy (in Rs.)	2014-15				
Yield	98 tons				
Gross Income	11.06 Lakhs				
Expenditure	3.75 Lakhs				
Net Income	7.31 Lakhs				
Net Income per acre	1.46 lakhs ( within a crop period of 70 days)				
	Comparison net income with mulching.(Per Acre)				
Cultivation Practices	Without Mulching	Under Mulching			
Cost of Cultivation	Rs.60000/-	Rs.75000/-			
Yield (Per Acre ) in tones	12 to 13 Tons	18 to 20 Tons			
Cost per tone	Rs 10,000/-	Rs. 10,000/-			
Gross Income (in Rs.)	120,000/- to 1,30,000/-	Rs.1,80,000 to 2,00,000/-			
Net Income	Rs. 60,000 /-to 70,000/-	Rs. 1,05,000/- to 1,25,000/-			