**12X48M GREENHOUSE STRUCTURAL COMPONENTS, COVERING AND IRRIGATION SYSTEM EVALUATION**

|  |  |  |  |  |  |  |
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| **S/N** | **MATERIAL** | **SPECIFICATION** | **QUANTITY** | **UNIT** | **RATE** | **AMOUNT** |
| 1 | H/Beam | 150x150mm | 18 | Length |  |  |
| 2 | Timber (Column) | 75x100mm | 35 | Over length |  |  |
| 3 | Timber (Rafter) | 50x75mm | 70 | Over length |  |  |
| 4 | Timber (King post) | 50x75mm | 4 | Over length |  |  |
| 5 | Timber (Strut) | 50x75mm | 50 | Over length |  |  |
| 6 | Timber (Purlin) | 50x50mm | 60 | Over length |  |  |
| 7 | Angle bar | 50x50mm | 22 | Length |  |  |
| 8 | H-Beam | 50x100mm | 28 | Length |  |  |
| 9 | Block | 150mm | 900 | Piece |  |  |
| 10 | Galvanized wire (Plants support and irrigation works) | 3mm | 2 | Roll |  |  |
| 11 | Steel Cable(Support) | 6mm | 1 | Roll |  |  |
| 12 | Tarpaulin | 1x125m | 1 | Piece |  |  |
| 13 | Micron film | 6.5x125m | 1 | Roll | Imp. |  |
| 14 | UV protected polyethylene net | 4.5x125m | 1 | Roll | Imp. |  |
| 15 | Marine rope | 8mm (400m) | 1 | Roll |  |  |
| 16 | Extractor fan | 385mm diameter (1400RPM) | 2 | Piece | Imp. |  |
| 17 | Locking profile | 300m | 300m | Meter | Imp. |  |
| 18 | PVC pipe | 40mm diameter | 12 | Length |  |  |
| 19 | PVC pipe accessories |  | 1 | Estimate |  |  |
| 20 | Drip irrigation hose | 750mm | 2 | Roll | Imp. |  |
| 21 | Drip line starter adaptor |  | 25 | Piece | Imp. |  |
| 22 | Drip line end cap |  | 25 | Piece | Imp. |  |
| 23 | PVC pipe | 32mm diameter | 35 | Length |  |  |
| 24 | Sprinkler head |  | 35 | Piece | Imp. |  |
| 25 | Nail | 50,75and 100mm |  |  |  |  |
| 26 | Bolt, nut and washer | 17mm | 400 | Piece |  |  |
| 27 | Base Plates |  | 18 |  |  |  |