Demonstration of Water Harvesting Based Integrated Vertical Farming System (IFS)
(एकीकृत फसल आधारित कृषि प्रणाली (IFS) के आधार पर जल संचयन का प्रदर्शन)

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Water Harvesting Based Integrated Vertical Farming System (IFS)

Agriculture
Water
Cattle
Poultry
Duck
Rabbit
Goat
Feed/Fodder Crops
Azolla Cultivation
Nadeep Compost
Vermicompost
Bio-Gas
Main Components of IFS Project (IFS प्रोजेक्ट के मुख्य घटक)

**Agriculture (कृषि)**
- Gram (चना)
- Vegetables (सब्जियां)
- Fruit Orchard (फल का बाग)
- Cereal Crops (अनाज की फसलें), Field Crop (खेत की फसल)
- Feed/ Fodder Crop (चारे की फसल)

**Water (पानी)**
- Rainfall (वर्षा)
- Ground Water (भूजल)
- Farm Pond Water (खेत का तालाब)

**Animal Husbandry (पशुपालन)**
- Cattle (पशु)
- Rabbit (खिगोर्द)
- Poultry (मुगी पालन)
- Duck (बत्तख)
- Goat (बकरा)

**Azolla Cultivation (एजोला की खेती)**
- Azolla Culture (एजोला कल्चर)
- Soil (मिट्टी)
- Cow Dung (गाय का गोबर)
- Poly Sheet (पाली शीट)
- Cover with Sun light (धूप से ढकना)

**Animal Shed (पशु शेड)**
- Cowshed (गोशाला)
- Poultry House (मुगी पालन की जगह)
- Vertical Farming Structure (वर्तिकल फार्मिंग स्ट्रक्चर)
- Bio-Gas Plant (बायोगैस संयंत्र)
- Vermicompost (वर्मीकम्पोस्ट), Nadeep Compost (नाडीप कम्पोस्ट)
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Animal Shed under Water Harvesting based IFS project
Inside View of Animal Shed under Water Harvesting based IFS project
Inside View of Animal Shed under Water Harvesting based IFS project
Food Storage Room for Existing Animals under IFS project
Major Crops Suggested under Water Harvesting based IFS project
Bio-Gas Plant under Water Harvesting based IFS project

[Diagram showing the components of a bio-gas plant, including mixing tank, digester tank, gas holder, and outlet for bio-gas.]
Vermicompost under Water Harvesting based IFS project

1st Layer: Slow decomposing material

2nd Layer: Half/fully decomposed cowdung / vermi-compost

3rd Layer: Earthworms

4th Layer: Kitchen waste, garden waste, mixed with cow dung

5th Layer: Jute Cloth

Wooden Box (50×50×60 cm)
Thanking You...