# MAGNETIC YIELD ALLIANCE

# SITE ASSESSMENT AND FEASIBILITY SURVEY FORM

For : **Identification of Compatible Device by Magnetic Technology LLC Dubai**

Date of Survey: \_\_\_\_\_\_\_\_\_

Surveyor Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Farm Representative Name & Contact: [Insert Name, Phone, Email]

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## 1. Section 1: General Farm Information Farm Name/Owner Name:

|  |  |  |  |
| --- | --- | --- | --- |
| a. | **Location** [District, Province, GPS Coordinates] | : |  |
| b. | Farm Category | : |  |
| c. | Corporate Agricultural Farm (≥200 acres with pivot systems) | : |  |
| d. | Large Landowner (≥100 acres with tube wells) | : |  |
| e. | Total Land Area (acres) | : |  |
| f. | Irrigated Area (acres) | : |  |
| g. | Current Irrigation System | : |  |
| h. | Center Pivot (No. of pivots | : |  |
| I. | Tube Wells (No. of wells | : |  |
| j. | Other (Specify | : |  |
| k. | Primary Crops Grown | : |  |
| l. | Wheat, Barley, Citrus Orchards, Vegetables (Tunnel Farming), Other specify | : |  |

## 2. Section 2: Land and Soil Conditions

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Land Type: (Flat, Sloping, Degree &Mixed) | : |  |
| b. | Soil Type: (Sandy, Loamy, Clay, Saline& Mixed) | : |  |
| c. | Soil Test Results:  • pH:  • Electrical Conductivity (ECe,  dS/m):  • Organic Matter (%): | : |  |
| d. | Soil Salinity Issues: (None, Mild (ECe 2–4 dS/m), Moderate (4–8 dS/m), Severe (>8 dS/m) | : |  |
| e. | Comments: | : |  |

## 3. Section 3: Water Source and Quality

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Primary Water Source: (Tube, Well, Canal, River, Other Specify) | : |  |
| b. | Water Availability (hours/day): | : |  |
| c. | Water Flow Rate (m³/hour) Pivot: \_\_\_\_ per pivot  Tube Well: \_\_\_\_ per well | : |  |
| d. | Water Quality (Lab Test Results):   * Total Dissolved Solids (TDS, ppm): \_\_\_\_ * pH:\_\_\_\_\_ * Hardness (mg/L CaCO₃) | : |  |
| e. | Water Classification (Sweet (<1,000 ppm TDS), Brackish (1,500–10,000 ppm TDS) | : |  |
| f. | Comments | : |  |

## 4. Section 4: Current Farming Practices

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Irrigation Frequency:   * Wheat/Barley: \_\_\_\_ times/season * Cotton: \_\_\_\_ times/month * Vegetables: \_\_\_\_ liters/acre/day | : |  |
| b. | Fertilizer Use (kg/acre):   * Wheat/Barley: \_\_\_\_ * Cotton: \_\_\_\_ * Vegetables: \_\_\_\_ | : |  |
| c. | Pesticide Use (liters/acre):   * Wheat/Barley: \_\_\_\_ * Cotton: \_\_\_\_ * Vegetables: \_\_\_\_ | : |  |
| d. | Seed Treatment: (Yes (Method: \_\_\_\_) / No | : |  |

## 5. Section 5: Infrastructure and Equipment

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Pivot Systems (if applicable)   * Number: \_\_\_\_ Age (years): * Maintenance Cost (PKR/year): | : |  |
| b. | * Tube Wells (if applicable): * Number: \_\_\_\_ Depth (feet): * Pump Capacity (HP): | : |  |
| c. | Drip Irrigation (for orchards/tunnels) (Yes (Coverage: \_\_\_\_ acres) / No | : |  |

Prepared By: Barak Consultancy and Research Services