Soil Analysis Report

Prepared by: [Your Lab/Company Name]

Date: [DD/MM/YYYY]

Report ID: [Unique ID]

Land Details

Owner Name: [Name]

Survey No./Plot No.: [XYZ]

Village/Town: [Location]

District/State: [District, State]

Coordinates (GPS): Latitude [xx.xxxx], Longitude [yy.yyyy]

Total Area Tested: [2.5 acres]

Present Land Use: [Agriculture / Fallow / Construction site]

Physical Characteristics

Soil Color: [Reddish Brown / Black / Sandy Loam]

Soil Texture: [Clay / Loam / Sandy Loam / Silt Loam]

Soil Structure: [Granular / Blocky / Crumb]

Depth of Soil Profile: [0–150 cm]

Moisture Content: [% at sampling time]

Bulk Density: [g/cm³]

Porosity: [%]

Water Holding Capacity: [%]

Chemical Analysis

Parameter	Value	Rating/Status
pH	6.8	Neutral (Good)
EC (dS/m)	0.3	Normal
Organic Carbon (%)	0.75	Medium
Nitrogen (kg/ha)	280	Medium
Phosphorus (kg/ha)	22	Medium
Potassium (kg/ha)	310	High
Micronutrients	Fe – 4.5 ppm, Zn – 0.8 ppm, Mn – 3.2 ppm, Cu – 0.6 ppm	Adequate/Low

Recommendations

For Agriculture:

- Apply Nitrogen, Phosphorus, Potassium based on crop plan.
- Add organic manure/compost at 2–3 tons/acre.
- Apply zinc sulphate at 25 kg/ha to correct Zn deficiency.
- Use contour bunding/mulching to reduce erosion.

For Construction:

- Conduct detailed geotechnical borehole study if heavy structures planned.
- Use soil stabilization (lime/cement) if PI > 20.
- Ensure surface drainage around foundation to avoid water logging.