

Soil Testing

Sl	Test Parameter	Test Method	Instrument
Physical Tests			
1.	Soil Particle Size	Mechanical Analysis	Set of Sieve
2.	Saturation Moisture Percentage	Soil extraction	Sieve, Balance
3.	Bulk Density	Weighing Bottle Method	Weighing Bottle
4.	Soil Moisture Content	Direct Method	Moisture Box, Desiccators
Chemical Tests			
5.	Soil pH	Electrometric Determination	Digital pH Meter
6.	Electrical Conductivity (EC)	Electrometric Determination	Digital conductivity meter
7.	Phosphate	Spectroquant Test	Ultra Violet Visible Spectrometer
8.	Potassium	Photometrically	Flame Photometer
9.	Sodium	Photometrically	Flame Photometer
10.	Calcium & Magnesium	Spectroquant Test/ Flame atomic absorption spectrophotometry	Ultra Violet Visible Spectrometer/ Atomic Absorption Spectrometer
11.	Fluoride	Spectroquant Test	UV VIS Spectrophotometer
12.	Elemental materials (As, Cd, Cr, CO, Cu, Fe, Pb, Mn, Ni, Zn)	Spectroquant Kit Test/ Flame atomic absorption spectrophotometry	Ultra Violet Visible Spectrometer/ Atomic Absorption Spectrometer

*Minimum Quantity of the compound required, running cost of the assay and time required for the assay shall be communicated on request.