

Analytical charges for Soil, Plant and Irrigation water samples

Revised rates

A. Name of the scheme: Venture Capital scheme: SOTAC V 60 AZ

Parameters	Farmers	TNAU project samples	TNAU Students*	Other Academic and Research Institutions	Private organizations and Industries
a. Soil samples <i>(Rate per sample in Rs.)</i>					
pH & EC, texture (feel method) , calcareousness (dil. HCl method) and available NPK	100/-	150/-	150/-	200/-	250/-
Available micronutrients (Fe, Cu, Zn & Mn)	200/-	250/-	-	-	-
Organic carbon	75/-	150/-	150/-	200/-	250/-
b. Irrigation water samples <i>(Rate per sample in Rs.)</i>					
pH & EC	50/-	60/-	60/-	75/-	100/-
Calcium, Magnesium, Sodium, Potassium, Carbonate , Bicarbonate and Chloride	200/-	300/-	300/-	350/-	400/-
c. Plant samples <i>(Rate per nutrient in Rs.)</i>					
Total NPK	150/-	250/-	50/-*	250/-	250/-

*Students should bring plant sample extracts for total NPK analysis

d. Technical Products (*Rate in Rs. per CD.*)

Item	Farmers, teaching and research organizations	Private organizations and Industries
DSSIFER 2010 CD	100/- postal charges: Rs. 25/ per consignment; for other states additional charges as applicable.	200/- postal charges: Rs. 25/ per consignment; for other states additional charges as applicable
Visual Diagnostic Kit (VDK) CD	100/- postal charges: Rs. 25/ per consignment; for other states additional charges as applicable.	200/- postal charges: Rs. 25/ per consignment; for other states additional charges as applicable.

B. Analytical charges for Secondary & Micronutrients & Heavy metals

Parameters	Farmers	Students*	Others
Soil samples (<i>Rate per element in Rs.</i>)			
DTPA micronutrients (Zn, Cu, Mn & Fe)	-	50/-	250/-
Hot water soluble B	150/-	75/-	250/-
Available S, Ca &Mg	100/-	50/-	200/-
Heavy metals (Pb, Ni, Cd, Cr)	150/-	50/-	250/-
*Students should bring soil sample extracts for taking AAS readings			
Plant samples (<i>Rate per element in Rs.</i>)			
Sulphur, Ca &Mg	100/-	50/-	250/-
Micronutrients (Zn, Cu, Mn & Fe)	100/-	50/-	250/-
Boron	150/-	75/-	250/-

Heavy metals (Pb, Ni, Cd&Cr)	150/-	50/-	250/-
*Students should bring plant sample extracts for taking AAS readings			
Irrigation water samples (<i>Rate per element in Rs.</i>)			
Micronutrients (Zn, Cu, Mn & Fe)	50/-	20/-	100/-
Boron	150/-	50/-	250/-
Sulphur	100/-	40/-	200/-
Heavy metals (Pb, Ni, Cd&Cr)	50/-	20/-	100/-

C. Analytical charges for Soil Physical parameters

(Rate per sample in Rs.)

Parameters	Farmers	Others
Soil texture (International pipette method)	750/-	750/-
Bulk density, Particle density and Porosity (Cylinder method)	200/-	200/-
Soil available moisture (Pressure plate apparatus)	500/-	500/-
Bulk density, Particle density, Porosity, water holding capacity & Volume expansion (Keen Rackzowski box method)	1500/-	1500/-
Hydraulic Conductivity*	250/-	250/-
Infiltration rate**	5000/-	5000/-

*Soil sample should be taken in sectional cylinder and made available for analysis.

** Transport facility is to be provided to carry the instrument and personnel in addition to the analytical charges.

D. Analytical charges for ^{15}N assay (Rate per sample in Rs.)

Parameters	Students	Others
Processing of soil / plant samples & estimation of total N & ^{15}N assay	600/-	600/-
Processed samples as $(\text{NH}_4)_2\text{SO}_4$ for ^{15}N measurement in Mass Spectrometer	150/-	300/-

E. Other chemical parameters (Rate/ sample)

Cation Exchange Capacity of soil: Rs.750/- per sample