

Facilities available in the Central Laboratory, ICAR-CSSRI, Karnal

The facilities for analysis of the soil, plant and water samples are available in the Central Laboratory, ICAR-CSSRI, Karnal. The detail of the instruments with parameter and rate list is as follows:

S. N.	Instrument	Image	Parameters to be analysed	Rate per element per sample (for Private Institution and Industry) *For farmers/ICAR Institutes/students/Govt. Institutes/NGO: please see the attached rate list
1.	Atomic Absorption Spectrophotometer		Ca, Cd, Cr, Cu, Fe, Mg, Mn, Ni, Pb, Zn	DTPA extractable micronutrients: Rs. 500/- per element Metals by digestion: Rs. 700/- per element

2.	Inductively Coupled Plasma Optical Emission Spectrophotometer		Ag, Al, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Se, Si, Zn	Metals by digestion: Rs. 800/- per element
3.	Nitrogen Analyzer		Nitrogen	Available N: Rs. 500/- Total N: Rs. 600/-
4.	CHNS Analyzer		Carbon and Nitrogen	Total C/Total N: Rs. 800/-

5.	UV Spectrophotometer		Phosphorus and Sulphur	Available P and S: Rs. 500/- Total P and S: Rs. 600/-
6.	Centrifuge		CEC and ESP	CEC: Rs. 700/- ESP: Rs. 1000/-
7.	Flame Photometer		Sodium and Potassium	Rs. 200/-

8.	TOC Analyzer		Total Carbon and Total Organic Carbon	TC: Rs. 1000/- TOC: Rs. 1200/-
9.	Ion Chromatograph		F^- , Cl^- , NO_3^- , PO_4^{2-} , SO_4^{2-}	Rs. 360/- per set
10.	pH and EC meter		Estimation of alkalinity and salinity	pH ₂ /EC ₂ : Rs. 140/- pH _s /EC _e : Rs. 350/-

Contact details

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क्रय एवं सामान्य प्रशासन अनुभाग

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P-11(15)/Central Lab/2020/6874

Dated: 11.08.2025

OFFICE ORDER

In revision to this office order of even no dated 17.07.2025, the Director, ICAR-CSSRI, Karnal is pleased to revise the rates of analysis charges of soil, water, plant and compost samples in Central lab. of the Institute for farmers, NGO, Private Institution/Industry, ICAR Institutes as per details given below:-

Parameter	CSSRI outside funded*	ICAR* # Institution / Student	Govt Institution / NGO*#	Private**# Institution / Industry
Rate/parameter (Rs)				
Water Soluble Ions				
EC ₂ / pH ₂ (per parameter)	35	70	105	140
ECe / pHs	90	175	265	350
Na ⁺ / K ⁺	50	100	150	200
Ca ²⁺ / Mg ²⁺ / CO ₃ ²⁻ / HCO ₃ ⁻ / Cl ⁻ (per parameter)	35	70	105	140
SO ₄ ²⁻	50	100	150	200
Soil Fertility Parameters				
Av N	125	250	375	500
Av P	125	250	375	500
Av K	125	250	375	500
Av S	125	250	375	500
Total N	150	300	450	600
Total P	150	300	450	600
Total K	150	300	450	600
Total S	150	300	450	600
AAS				
Av Zn	125	250	375	500
Av Fe	125	250	375	500
Av Mn	125	250	375	500
Av Cu	125	250	375	500
Total Zn	175	350	525	700
Total Fe	175	350	525	700
Total Mn	175	350	525	700
Total Cu	175	350	525	700
FYM and Compost (per parameter) (Total N, P and K)	500	1000	1500	2000
ICP-OES				
Heavy metal /micronutrients (DTPA / EDTA Extractable) (per parameter)	150	300	450	600
Heavy metals (Total Content) (per parameter)	200	400	600	800

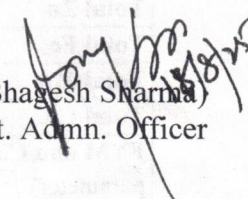
Total C / Total N (per set)	200	400	600	800
TC	250	500	750	1000
TOC (per sample)	300	600	900	1200
TIC	500	1000	1500	2000
F / Cl / NO₃ / PO₄ / SO₄ (per set)	90	180	270	360
Plant Chloride	50	100	150	200
CEC (per sample)	175	350	525	700
ESP (per sample)	250	500	750	1000
OC / OM	150	300	450	600
CaCO₃	150	300	450	600
Soil Physical Parameters				
MP and Bulk density	25	50	75	100
Soil Texture (Hygrometer)	160	320	480	640
Gypsum Requirement (GR)	75	150	225	300
Instrument Available in Other Laboratory				
Spectral Reflectance	75	150	225	300
Oil, Protein, crude fibre & Erucic acid	75	150	225	300
Gas Analysis CO₂, CH₄, N₂O (per set)	300	600	900	1200
Oxalic, Ascorbic, Citric and Maleic acid (per set)	1125	2250	3375	4500
Glucose, Fructose and Sucrose Trehalose (per set)	1125	2250	3375	4500
BIOLOG Bacteria (per sample)	2500	3000	3500	4000
BIOLOG Fungi (per sample)	3300	3500	3700	4000
BIOLOG Ecoplates (per sample)	3000	3300	3700	4000

Soil and Water Quality (Farmers)**

Items	Parameters	Rate / sample (Rs.)
Soil Fertility Parameters	EC ₂ , pH ₂ , Av N, P, K, Zn, Fe, Mn, Cu and GR	500
Soil Health Card Parameters	EC ₂ , pH ₂ , Av N, P, K, S, Zn, Fe, Mn, Cu, B, OC and GR	750
RSC and SAR	EC, pH, CO ₃ , HCO ₃ , Ca, Mg, Na, RSC and SAR	200

*For processed samples; ** for unprocessed samples; #GST as per rule @18%

For unprocessed samples, Rs. 50/- per sample will be charged as processing fees from ICAR institutes, students, Govt. institutions/NGO.


 (Bhagesh Sharma)
 Asstt. Admn. Officer

Distribution:

1. All Heads of Divisions/PC
2. ✓ OIC, Central Lab, through: HSCM
3. CFAO
4. DDO
5. PS to Director
6. Dr. Neeraj Kulshreshtha, Vigilance Officer


 11/8/2018