

LIST OF LABORATORY INSTRUMENTS WITH THEIR BRIEF DESCRIPTION, FUNCTIONALITIES AND CHARGES FOR ANALYSIS OF SAMPLES,

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The Demand Draft should be in favour of "**Director, ICAR-NBSS&LUP, Nagpur**"

Mention Instruments Code & Charges (GOODS AND SERVICE TAX 18 %)

SrNo.	Instruments Code	Description	Charges per Sample (in Rs.) Without Tax	Instruments Photo
1		Atomic Absorption Spectrophotometer (AA-6300) Shimadzu, Japan The AA-6300 is a next generation double beam atomic absorption spectrophotometer. It ensures long-term stability with low noise level and provides the highest level of sensitivity for trace-level analysis.		
	RCK-AASM	a) Micronutrients (Zn, Cu, Fe, Mn)	2000/-	
	RCK-AASE	b) Exchangeable Ca and Mg	500/-	
	RCK-AASW	c) Water soluble Ca and Mg	500/-	
2	RCK-TCNA	TruSpec Carbon/Nitrogen Analyser (CN 628) LECO Corporation, USA. By incorporating state-of-the-art hardware and software technology the 628 Series makes it possible to achieve fast results in organic matrices. Dual-stage furnace system operates at temperatures up to 1050°C using only pure oxygen to ensure the complete combustion of all organic samples, without requiring additional other carrier gases. 1. Total C and N	2000/-	

3	RCK-PME	<p>Pressure Membrane Extractor (1600) Soil Moisture Equipment Co. California, USA.</p> <p>The 1600 Pressure Membrane Extractor incorporates disposable cellulose membranes in the extraction of water from soil samples over a pressure range of 0 to 15 bars. The Pressure Membrane Extractor includes top and bottom plates, 5/8" (1.6 cm) high by 11" (28 cm) inside diameter cylinder and clamping bolts, cylinder seal O-rings, screen drain plate, compressing diaphragm, and eccentric clamping screw assembly.</p> <p>1. Analysis of AWC% per sample :</p>	1000/-													
4	RCK-C2R	<p>Centrifuge (2R) Thermo Electron Corporation, USA</p> <hr/> <p>Centrifuge (R-24), REMI, India</p> <table border="1" data-bbox="451 816 1297 1027"> <tr> <td colspan="2">Salient features</td> </tr> <tr> <td>Type of Product :</td> <td>Research centrifuge</td> </tr> <tr> <td>Rotor Capacity (ml) :</td> <td>8 x 15 ml</td> </tr> <tr> <td>Type of Head :</td> <td>Angle Rotor Head</td> </tr> <tr> <td>Max. Speed (RPM) :</td> <td>17300 RPM</td> </tr> <tr> <td>Max. RCF :</td> <td>27440 g</td> </tr> </table>	Salient features		Type of Product :	Research centrifuge	Rotor Capacity (ml) :	8 x 15 ml	Type of Head :	Angle Rotor Head	Max. Speed (RPM) :	17300 RPM	Max. RCF :	27440 g		
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5	<p>RCK-UVSAP</p> <p>RCK-UVSTP</p>	<p>UV-VISIBLE Spectrophotometer (SL 150), Elico</p> <p>Salient features : Automatic Wavelength Calibration (200-900 nm) Selection of Wavelength and Positioning of the sample holder Automatic 2 position cuvette holder for 10 mm path length cuvettes</p> <p>1. Available P : 2. Total P :</p>	<p>340/-</p> <p>1500/-</p>													

6		Flamephotometer (Elico-CL 378; CL 361) The instrument is Microprocessor based, User friendly, Menu driven with Automatic ignition			
	RCK-FPME	Exchangeable Na and K :	500 /-	ELICO 378	ELICO 361
	RCK-FPMW	Water soluble Na And K :	500 /-		
	RCK-FPMT	Total K :	1500/-		
7	RCK-PHM	pH meter (LI 120), Elico M Digital pH meter (335), Systronics High quality precision manual instrument with pH Range : 0 – 14 and 0.01 pH Resolution Charges for analysis of pH (1: 2.5) per sample	100/-		
				Elico	Systronics
8		Conductivity meter (306), Systronics			
	RCK-CMECS	EC _e (Saturation extract) :	500/-		
	RCK-CMEC	EC :	100/-		