

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

ICAR-NBSS&LUP, Regional Centre, New Delhi - 110 012

Contact :

Director, ICAR-NBSS&LUP

Amravati Road, Nagpur - 440 033


Tel : +91-712-2500386, 2500545




Fax : +91-712-2500534




Email : director.nbsslup@icar.gov.in


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

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

Sr.No.	Instruments Code	Description	Charges per Sample (in Rs.) Without Tax	Instruments Photo
1	RCD-AAS	<p>Atomic Absorption Spectrophotometer (AAS) Model No - AA - 6300 make - SHIMADZU.</p> <p>Brief Functioning of the Instruments Quick and accurate analysis of micronutrients and heavy metals form soil, sediment and water samples</p> <p>*Charges for Zn, Fe, Mn, Cu, determination.</p>	*2000/-	

2	RCD-MWP	<p>Millipore, Water Purifier Model No- Elix Advantage 3 with . Water feeding Pump and 50 litre water storage tank.</p> <p>Brief Functioning of the Instruments Making of double distilled water for laboratory analysis.</p>	Nil	
3	RCD-PME	<p>Pressure Membrane Extractor (1500) Soil Moisture Equipment Co. California, USA Model No- 1500 F.1.</p> <p>The 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 pressure cookers for water retention up to 3 bar and 15 bar equivalent pressure and suitable ceramic plates.</p>	Nil	
4	RCD- EFP	<p>Emission Flame Photometer Model No - 128; Make - Systronic</p> <p>Brief Functioning of the Instruments Analysis of Sodium and Potassium in soil, sediment and water samples</p>	Nil	

5	RCD-ECM	<p>EC Meter Model No:- CM - 180 Make - ELICO</p> <p>Brief Functioning of the Instruments Analysis of Total Salt Concentration (Ec) of soil and water samples.</p>	100/-	
6	RCD-PHM	<p>pH Meter Make - Eutech. Model No. pH Tutor</p> <p>Brief Functioning of the Instruments Analysis of pH of soil and water samples.</p>	100/-	
7	RCD-SPM	<p>Double Beam Spectro-photometer Model No- Spectronic 20 D+ Make. Thermo Scientific</p> <p>Brief Functionalities : Analysis of elements and radicals from soil, sediment and water samples based on their spectrometric colour</p>		

8	RCD-KEL	<p>KEL PLUS – Nitrogen Distillation Apparatus Model No- Classic DX Make- Pelican Instruments Ltd.</p> <p>Brief Functioning of the Instruments Analysis of available Nitrogen (N) and cation exchange capacity of soil and sediments.</p> <p>*Available N, P, K combined * CEC and Eech bases</p>	<p>*1000/- *1000/-</p>	
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