

Price fixation- Details of the samples testing/ analysis being performed at MGIFRI central laboratory facility

Following test(s)/ analysis of various samples are currently being performed in different sections of Central Laboratory Facility at MGIFRI.

1. Section A: Animal Science
2. Section B: Fisheries Science
3. Section C: Soil-Plant-Water Analysis
4. Section D: Post-Harvest & Value Addition
5. Section E: Weather Observatory

SN	Sample	Test/ Analysis	Section	Charge(s) in Rs. Per unit sample
1	Water Samples	pH	B	5.0
		Temperature	B	5.0
		Total Dissolved Solids (TDS)	B	5.0
		Electrical Conductivity (EC)	B	5.0
		Salinity	B	5.0
		Dissolved Oxygen (DO)	B	20.0
		Alkalinity	B	20.0
		Hardness	B	20.0
		Free Carbon dioxide (CO ₂)	B	10.0
		Nitrogen (N)	B	25.0
		Ammonia (NH ₃)	B	25.0
		Nitrate (NO ₃)	B	25.0
		Nitrite (NO ₂)	B	25.0
		Phosphorus (PO ₄)	B	25.0
		Biochemical Oxygen Demand (BOD)	B	25.0

		Chemical Oxygen Demand (COD)	B	20.0
2	Soil Samples	pH	C	5.0
		EC	C	5.0
		Organic Carbon (OC)	C	10.0
		Available and Total Nitrogen (N); Ammoniacal and nitrate N	C	25.0
		Available and Total Phosphorus (P)	C	15.0
		Available Potassium (K)	C	20.0
		Available Sulphur (S)	C	20.0
		Microbial Biomass Carbon	C	25.0
		Dehydrogenase Activity	C	30.0
		Phosphatase Activity	C	30.0
		Soil texture	C	10.0
		Mean weight diameter and Aggregate stability	C	20.0
		Penetration Resistance	C	20.0
		Gravimetric Moisture Content	C	5.0
3	Plant Samples	N, P, K	C	50.0
		Organic Carbon	C	10.0
4	Animal Blood/ Tissue Samples	Biochemical parameters i.e. Glucose, total protein, albumin, globulin, urea, uric acid, total cholesterol, triglyceride, bilirubin, lipase, LDH, alkaline phosphatase, ALT, Ca, P, Mg etc.	A	3000.0
5	Milk	Protein, lactose, fat, SNP, TS, freezing point	A	50.0
		Crude Protein	A, B	100.0

6	Animal Tissue / Fish Tissue/ Feed/ Fodder Samples	Crude Fat (EE)	A	100.0
		Crude Fiber	A	100.0
		Ash & insoluble ash	A	50.0
		Moisture	A	20.0
		Nitrogen (N)	B, C	50.0
		Phosphorus (P)	B, C	50.0
		Potassium (K)	C	50.0
		Organic Carbon	B, C	20
7	Fruit/ vegetable samples	Acidity	D	5.0
		Ascorbic Acid (Vit. C)	D	20.0
		Total Soluble Solids (TSS)	D	5.0
8	Daily Weather Data	Daily weather data; rainfall (automatic and manual), temperature, E pan, Sunshine hours, Soil temperature, wind speed etc. (charges applicable for one year data)	E	1000.0