

1.6 Laboratory Instruments for Animal Nutrition -

S.N	Name of the item	Specifications	Pack size	QTY	Bidder's compliance Yes/No	If "No" bidder's specifications
1	Fiber Analyzer	Should be subjected to rigorous testing over a broad range of sample types	1	1		
		Results can be determined for all feeds and forages.				
		Acid Detergent Fiber				
		Neutral Detergent Fiber				
		Crude Fiber				
		Make : specify				
		Model: Specify				
		Country of Origin: Specify				
		Country of Manufacture: Specify				
		Warranty period: Min 1 year				
		Sample Per Run: Min 24 Nos (Enables batch processing of up to 24 samples at one time)				
		Sample Size: 0.5 - 1.0 gram or less				
		Fiber Ranges: 0% - 100%				
		Samples per Day:-				
		Acid Detergent Fiber minimum -140				
		Neutral Detergent Fiber min.110				
		Crude Fiber minimum 90				
		Should have the following features :-				
		Eliminates separate filtration				
		Eliminates glassware usage				
		Should have the advance technology to eliminate sample transfer error and filter clogging				
		Power requirement:-				
		230V±10% & 50Hz / 60Hz				
		Safety measures against power fluctuations & surges Online UPS 2kV				
		Accessories and consumables should be supplied along with the machine to run the sample:-				
		Heat Sealer 8" 220v 50/60Hz or better				
		1 Nos (UK Plug Type)				

S.N	Name of the item	Specifications	Pack size	QTY	Bidder's compliance Yes/No	If "No" bidder's specifications
1	Fiber Analyzer contd.	Fiber Filter Bags- 5000 Nos				
		Marker Acetone Resistant Black – 4 Nos				
		Moisture Stop Weigh Pouch – 200 Nos				
		Bag Weigh Holder – 3 Nos				
		Acid Detergent Concentrate-Dry Powder – 5 Nos (20litre from each)				
		Neutral Detergent Dry Concentrate with Triethylene Glycol– 4 Nos				
		Alpha-Amylase, 250 ml – 2 Nos				
		Sodium Sulfite. 500g – 2 Nos				
		Qualification of bidders:-				
		The bidder should be an authorized service provider of quoted product. An authorization letter from principals to certify the above should be attached.				
		The manufacturer should have minimum of en years’ experience in manufacturing the same brand (please attach a company profile with proof).				
		The bidder must be the direct manufacturer / their local agents with an established network for after-sales support for the engineers and logistics (Confirmatory documents needed)				
		Additional Requirements:-				
		Instrument manual/Technical documents of the instrument must be provided.				
SN	Name of the item	Comprehensive user guide.				
		Complete track record (with direct contact details) of local / foreign institutes the analyser has been supplied previously				
		Delivery period should be mentioned				
		Specifications	Pack size	QTY	Bidder's compliance Yes/No	If "No" bidder's specifications
		Rapid digestion unit with infrared technology for Laboratory R&D purposes				
		Simple handling, high user safety, rapid and efficient digestion				
		All the accessories should be provided for a workable system				
		should be a reputed brand with more than 10 years of manufacturing				
		Make : specify				
		Digestion unit for kjeldhal protein and mineral analysis				

	Model: Specify				
	Country of Origin: Specify				
	Country of Manufacture: Specify				
	Warranty period: 2 years comprehensive				
	General requirements:-				
	Infrared rapid heating Possible to use for a wide variety of samples Heating places 12 To digest macro or micro range of nitrogen and other organic material Multifunctional programmable hot plate for inorganic acid digestions ex. Mineral Possible to document the temperature performances, if necessary Adjustable temperature range 100-5000C				
	Items to be included:-				
	Rapid heating system (Tubotherm or equivalent) 1 Digestion tubes 12 Insert rack for tubes 1 Exhaust manifold with drip tray Isoversinic tubing 1.5m Console 1				
	Heating places - 12 Size of tubes to be used - 250-300ml Weight: Less than 30kg (average 29kg) Maximum wattage (W) - 2000 Voltage (V) - 230v Dimensions approximately - 635x740x430				
	Original Specification sheet should be provided with highlighted points.				
	Manufacture authorization letter with supplier's contact details should be submitted.				
	Delivery period should be mentioned				