

Supply of Laboratory and field equipment for Environmental Studies and Services Division of National Building Research Organisation- 2024
NBRO/ESSD/Pur/Eq/2024-01

(Annex I)

Item No	Purchaser's Requirements	Required Specification	Tenderer's Response		Tenderer's Specifications If 'No', Comments on the offer
			Yes	No	
1. Double beam UV-Vis Spectrophotometer (01 No.)					
1.1	Manufacturer	Should indicate			
1.2	Country of origin	Should indicate			
1.3	Make & Model	Should indicate			
1.4	Operating Mode	Transmittance and Absorbance			
1.5	Optical system	double beam			
1.6	Light Source	Tungsten for visible range Deuterium for UV range (If Not Please specify)			
1.7	Wavelength Range	190-1100 nm			
1.8	Wavelength Accuracy	±0.5 nm or lower			
1.9	Wavelength Resolution	0.1 nm or lower			
1.10	Wavelength Selection	Automatic and manual selection			
1.11	Wavelength repeatability	± 0.05 nm			
1.12	Spectral bandwidth	1 nm or better			
1.13	Scanning Speed	5000 nm/min or range including 5000 nm/min			
1.14	Photometric Measuring Range	±3 Abs and ±300% Transmittance			
1.15	Photometric Accuracy	±0.003 @ 0.5A or better			
1.16	Detector	Photodiode			
1.17	Stray Light	<0.1 % at 220 nm (NaI, ASTM) or better			
1.18	Display	Color LCD with touchscreen			
1.19	Control Options	Onboard touch screen and computer-based software			
1.20	Sample Cell Compatibility	Should be adjustable (comply with, 1 cm, 2 cm, and 4 cm)			

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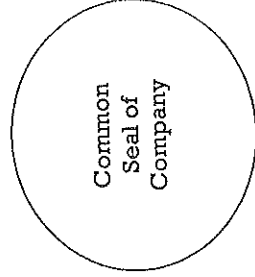
1.21	Autosampler	A minimum 8-cell holder for a 1 cm path length should be provided.			
1.22	Sample Cells/ cuvette	1 cm glass cuvette - 6 pcs			
		2 cm glass cuvette - 2 pcs			
		4 cm glass cuvette - 2 pcs			
		1 cm Quartz cuvette - 1cm 2pcs			
1.23	Interfaces	USB type A, USB type B, Ethernet			
1.24	Software	Compatible operational and analytical software with Windows 10 or better.			
1.25	Computer and Printer	Branded computer with the minimum of core i5 processor, 6 GB RAM, and Windows 10 operation system with the essential operation system, mouse, keyboard, 18" LCD color monitor, Color printer, Power cable			
1.26	Power	AC230V ±22V 50Hz±1Hz, 200W			
1.27	UPS	Should provide			
1.28	Fuse	2pcs			
1.29	Spare part availability	At least 5 years			
1.30	Authorization letter	The supplier should submit an original authorization letter from the manufacturer			
1.31	Traceability certificate	Should provide			
1.32	Catalogues	Should provide			
1.33	Warranty Period	Minimum two years			
1.34	After-sale Services	Should provide			
1.35	Training	Should provide			
		Unit Price (Basic Unit) Rs.			
		VAT Rs.			
		Total Price with VAT (without accessories) Rs.			
		Total Price with VAT (with accessories) Rs.			

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2. Complete setup for Air Sampling Bags (05 Nos.)					
2.1	Manufacturer	Should indicate			
2.2	Country of origin	Should indicate			
2.3	Material / Type	PVF (polyvinyl fluoride) film with dual value			
2.4	Volume	5L			
2.5	Application	Indoor air sampling, hazardous waste sites, leaking underground storage tanks, stack sampling, soil gas sampling, gas blending, calibration test standards, and most other gas sampling needs			
2.6	Accessories	Accessories should be specified for the sampling & should be supplied			
2.7	Fitting	Polypropylene On/Off Valve, Dual			
2.8	Silicon tube	2m tube with each			
2.9	Warranty Period	Minimum one year			
			Unit Price (Basic Unit) Rs.		
			VAT Rs.		
			Total Price with VAT (without accessories) Rs.		
			Total Price with VAT (with accessories) Rs.		

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3.	Lux Meter (01 No.)				
3.1	Manufacturer	Should indicate			
3.2	Country of origin	Should indicate			
3.3	Make & Model	Should indicate			
3.4	Ranges	1-200,000 Lux			
3.5	Resolution	1 Lux			
3.6	Display	Backlit display			
3.7	Data logger	1000 entries or above and data downloaded facility			
3.8	Power supply	AAA or AA Batteries or rechargeable alkaline batteries			
3.9	Calibration and Certification	Should provide			
3.10	Warranty Period	Minimum one year			
3.11	After-sale Services	Should provide			
		Unit Price (Basic Unit) Rs.			
		VAT Rs.			
		Total Price with VAT (without accessories) Rs.			
		Total Price with VAT (with accessories) Rs.			



Company Name:

Address:

VAT Registration No:

Name:

Designation:

Signature: