

Bid Document

Bid Details	
Bid End Date/Time	22-07-2020 13:00:00
Bid Opening Date/Time	22-07-2020 13:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Human Resource Development
Department Name	Department Of Higher Education
Organisation Name	Mizoram University
Office Name	Aizawl Mizoram
Total Quantity	1
Item Category	SPECTROPHOTOMETER
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	No
Inspection Required	No

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

SPECTROPHOTOMETER (1 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
LIGHT SOURCE	Light Source	Deuterium Lamp, Tungsten Halogen Lamp	Halogen Lamp, Deuterium Lamp, LED, Tungsten Halogen Lamp, Xenon Flash
	Diffraction Grating (lines/mm)	1200	600, 800, 1000, 1200, 1400, 1600, 1800
	Switching of Light Source	Automatic	Automatic, Manual, NA
	Wavelength Setting And Scanning	Automatic	Automatic, Manual
TYPE	Type of Spectrophotometer	UV - VISIBLE	UV - VISIBLE, VISIBLE, UV - VISIBLE - IR, NIR
	Type of Optical System	Double Beam	Single Beam, Split Beam, Double Beam
	Monochromator Type	Holographic Grating	Reflexive Grating, Holographic Grating, Czerny-turner, NA, Scanning grating
	Detector Type	Photodiode	Photo Multiplier Tube (PMT), Photodiode, CMOS, Diode array, Silicon, Silicon & Lead Sulfide, Indium Gallium Arsenide (InGaAs)
	Spectral Bandwidth Type	Variable Bandwidth	Fixed Bandwidth, Variable Bandwidth
OPTICAL PERFORMANCE	Source Wavelength - Minimum	190	*
	Source Wavelength - Maximum	1500	*
	Resolution	0.3	0.002, 0.3, 0.5, 1, 1.25, 1.5, 1.7, 2, 0.2, 0.01
	Wavelength Accuracy (+/-)	0.3	0.1, 0.3, 0.5, 0.8, 1, 1.5, 2, 2.5, 0.05
	Bandwidth (nm)	0.5, 1, 2, 0.4, 0	*
	If variable band width, Specify the incremental step value(mm)	NA	*
	Scanning Speed (nm/min)	500	*
	Focal length (mm)	300 and above	0 to 49, 50 to 99, 100

		to 149, 150 to 199, 200 to 249, 250 to 299, 300 and above
Photometric measurement modes	Transmittance,Absorbance,Concentration (Wavelength, time)	Transmittance, Absorbance, Concentration (Wavelength, time), Reflectance, Energy, Polarisation
Photometric Absorbance (Max) (Abs) (+/-)	3	0.2 - 8
Photometric Absorbance Accuracy (Max) (+/-)	0.3	0.001 - 0.5
Photometric Transmittance (Max) (+/-)	100	0 - 100
Photometric Transmittance Accuracy (Max) (+/-)	0.3	0 - 0.5
Photometric Reflectance (Max) (+/-)	0.2	0 - 100
Photometric Reflectance Accuracy (Max) (+/-)	0.3	*
Stray Light Correction	Automatic	*
Baseline Correction	Automatic	*
GENERIC	Display	In-built display Through PC
	Display type	LCD with Backlight LED, LCD touchscreen, TFT, NA
	Display Size	4 0 - 30
	Test result printing	Through external printer Through inbuilt Printer, Through external printer
	If inbuilt printer, Type of printer	N/A Thermal printer, Dot matrix, Laser b/w, Inkjet b/w, Color laser, Color inkjet, N/A
	Suitable software for connecting PC & Printer	Yes *
	Connectivity	USB,RS 232 *
	Internal storage(GB)	0 0 - 80
	Sample switching/selection	Automatic *

	Capacity of Sample holder / Sample Carousel	8	*
	Mximum Path Length of sample	10	0 - 120
	Number of Cuvettes supplied-inclusive in the scope of supply	10	*
	Power Supply	230 V \pm 10, 50 Hz	*
	Any other features/accessories covered in scope of supply	-	*
	Spares and Consumables inclusive in the scope of supply	Yes	Yes, No
	List of Items and Quantity of each item included in the offer	-	*
OPERATING CONDITIONS	Minimum Operating Temperature	10	-5, -10, 0, 5, 10
	Maximum Operating Temperature	45	35, 40, 45, 50, 55, 60
	Operating Humidity (RH) (%) at 40 degree C	80	80, 85, 90, 95
WARRANTY	Onsite Warranty	1	1, 2, 3, 4, 5
	Availability of Spares (at extra cost)	5	2, 3, 4, 5, 6, 7, 8, 10
Certification	Availability of UL/CE Certification as per EN 61010-1:2010 Safety requirements for electrical equipment for measurement, control, and laboratory use General requirements	Yes	Yes, No
	Conformance to EMC/EMI as per EN 61326-1:2013 Electrical equipment for measurement, control and laboratory use	No	Yes, No

Availability of Test Reports from Central Govt / NABL approved / ILAC accredited lab to prove conformity to the specification	Yes	Yes, No
If yes test report to furnished,to the buyer on demand	N/A	*
Test Report number and date	-	*
Name and address of the Lab	-	*

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	F.KAPMAWII	796004,Mizoram University, Tanhril, Aizawl, Mizoram	1	30

Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
2. IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.
3. ISO 9001: The bidder must have ISO 9001 certification.

[This Bid is also governed by the General Terms and Conditions](#)

---Thank You---