

Bid Document

Bid Details	
Bid End Date/Time	12-02-2019 15:00:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	15 (Days)
Ministry/State Name	Maharashtra
Department Name	Higher And Technical Education Department Maharashtra
Organisation Name	Directorate Of Higher Education
Office Name	Institute Of Science
Total Quantity	3
Item Category	SPECTROPHOTOMETER
MSE Exemption For Years Of Experience And Turnover	Yes

SPECTROPHOTOMETER (3)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Allowed Values
TYPE	Type of Spectrophotometer	UV - VISIBLE	UV - VISIBLE, VISIBLE, UV - VISIBLE - IR
	Type of Optical System	Double Beam	Single Beam, Split Beam, Double Beam
	Monochromator Type	Czerny-turner	Reflexive Grating, Holographic Grating, Czerny-turner, NA
	Detector Type	Photodiode	Photo Multiplier Tube (PMT), Photodiode, CMOS, Diode array
	Spectral Bandwidth Type	Fixed Bandwidth	Fixed Bandwidth, Variable Bandwidth
LIGHT SOURCE	Light Source	Deuterium Lamp, Tungsten Lamp, Halogen Lamp, 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
OPTICAL PERFORMANCE	Source Wavelength - Minimum	190	175, 180, 185, 190, 195, 200, 320, 340
	Source Wavelength - Maximum	1100	*
	Resolution	1	0.002, 0.3, 0.5, 1, 1.25, 1.5, 1.7, 2, 0.2, 0.01
	Wavelength Accuracy (+/-)	0.1	0.1, 0.3, 0.5, 0.8, 1, 1.5, 2, 2.5
	Bandwidth (nm)	1	0.1, 0.2, 0.5, 1, 1.5, 1.8, 2.0, 4.0, 5.0, 0.1 to 5.0
	If variable band width, Specify the incremental step value(mm)	NA	*
	Scanning Speed (nm/min)	5000	*
	Focal length (mm)	0 to 49	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),Reflectance,Energy	Transmittance, Absorbance, Concentration (Wavelength, time), Reflectance, Energy, Polarisation
	Photometric Absorbance (Max) (Abs) (+/-)	4	0.2 - 8
	Photometric Absorbance Accuracy (Max) (+/-)	0.5	0.001 - 0.5
	Photometric Transmittance (Max) (+/-)	100	0 - 100
	Photometric Transmittance Accuracy (Max) (+/-)	0.5	0 - 0.5
	Photometric Reflectance (Max) (+/-)	100	0 - 100
Photometric	0.5	*	

	Reflectance Accuracy (Max) (+/-)		
	Stray Light Correction	Automatic	*
	Baseline Correction	Automatic	*
GENERIC	Display	In-built display	In-built display, Through PC
	Display type	LCD touchscreen	LCD with Backlight, LED, LCD touchscreen, TFT, NA
	Display Size	6	0 - 30
	Test result printing	Through external printer	Through inbuilt Printer, Through external printer
	If inbuilt printer, Type of printer	Dot matrix	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,ETHERNET,RS 232	*
	Internal storage(GB)	32	0 - 32
	Sample switching/selection	Manual	*
	Capacity of Sample holder / Sample Carousel	1	*
	Mximum Path Length of sample	100	0 - 120
	Number of Cuvettes supplied	10	*
	Power Supply	230 V ± 10, 50 Hz	*
	Any other features/accessories covered in scope of supply	-	*
	Spares and Consumables inclusive in the scope of supply	No	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	35	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)	10	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	Yes	Yes, No
	Availability of Test Reports from Central Govt / NABL approved / ILAC accredited lab to prove conformity to the specification	No	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	-	*

* Bold specifications are the golden parameters.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Prashant Tukaram Gurav	400032, The Institute of Science, 15, Madam Cama Road	3	15

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Buyer Specific Additional Terms and Conditions

1. **Scope of supply (Bid price to include all cost components) :** Supply Installation Testing and Commissioning of Goods
2. **Inspection charges shall be borne by the supplier and it shall not be reimbursed by indenter to them at any point in time. Cost of inspection shall be factored in by the supplier in the cost of the product itself while submitting bid. The inspection agency will conduct the inspection and submit the certificate to the supplier as well as the buyers and consignees. The bidder will be solely responsible for pre-inspected material for Quality Assurance including pre-despatch inspection/ testing at manufacturer's site by IIT**
3. **Availability of service Centres :** Bidder /OEM must have Service Centre In the District of each Consignee's Location
4. **Timely Servicing / rectification of defects during warrantee period:** After having been notified of the defects / service requirement during warrantee period, Seller has to complete the required Service / Rectification within time limit specified. If the Seller fails to complete service / rectification with defined time limit, a penalty of defined % of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG).
 - (i) Time Limit for Service / Rectification of defects will be as defined in the SLA document for the service.
 - (ii) Penalty per week of delay as % of unit price of product will be as defined in the SLA document for the service.
 Seller to give compliance Yes / No while submitting bid.
5. The Purchaser reserves the right to increase or decrease the ordered quantity up to 25 percent at the time of placement of contract . The purchaser also reserves the right to increase the contracted qty up to 25% during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly
6. Malicious Code Certificate:

The seller should upload following certificate in the bid:-

 - (a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-
 - (i) Inhibit the desires and designed function of the equipment.
 - (ii) Cause physical damage to the user or equipment during the exploitation.
 - (iii) Tap information resident or transient in the equipment/network.
 - (b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.
7. **Dedicated toll Free Telephone No. for Service Support :** BIDDER /OEM must have **Dedicated toll Free Telephone No. for Service Support**

8. Escalation Matrix For Service Support : Bidder /OEM must provide **Escalation Matrix of Telephone Numbers for Service Support**

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

---Thank You---