

Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 19:00:00
Bid Opening Date/Time	27-07-2020 19:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Power
Department Name	Contracts And Materials
Organisation Name	Ntpc Ltd
Office Name	Western Region I Shared Services Centre
Total Quantity	2
Item Category	SPECTROPHOTOMETER
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
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 (2 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	Deuterium Lamp, Tungsten Halogen Lamp

	Diffraction Grating (lines/mm)	1200	1200
	Switching of Light Source	Automatic	Automatic
	Wavelength Setting And Scanning	Automatic	Automatic
	Type of Spectrophotometer	UV - VISIBLE	UV - VISIBLE
	Type of Optical System	Double Beam	Double Beam
TYPE	Monochromator Type	Scanning grating	Scanning grating
	Detector Type	Photodiode	Photodiode
	Spectral Bandwidth Type	Fixed Bandwidth	Fixed Bandwidth
	Source Wavelength - Minimum	190	190.0
	Source Wavelength - Maximum	1100	1100, 1500, 2000, 2500, 2700, 3000, 3200, 3300, 1650 Or higher
OPTICAL PERFORMANCE	Resolution	0.3	0.3
	Wavelength Accuracy (+/-)	0.3	0.3
	Bandwidth (nm)	1.5	1.5
	If variable band width, Specify the incremental step value(mm)	NA	*
	Scanning Speed (nm/min)	3600	*
	Focal length (mm)	200 to 249	200 to 249
	Photometric measurement modes	Transmittance,Absorbance, Concentration (Wavelength, time)	Transmittance, Absorbance, Concentration (Wavelength, time)
	Photometric Absorbance (Max) (Abs) (+/-)	0.5	0.5
	Photometric Absorbance Accuracy (Max) (+/-)	0.002	0.001 - 0.002 Or lower
	Photometric Transmittance (Max) (+/-)	100	100.0
	Photometric Transmittance Accuracy (Max) (+/-)	0.5	0.0 - 0.5 Or lower
	Photometric Reflectance (Max) (+/-)	0.5	0.5
	Photometric Reflectance Accuracy (Max) (+/-)	0.5	*
	Stray Light Correction	Automatic	*
	Baseline Correction	Automatic	*
GENERIC	Display	In-built display	In-built display
	Display type	LCD with Backlight	LCD with Backlight
	Display Size	10	10.0 - 30.0 Or higher
	Test result printing	Through external printer	Through external printer
	If inbuilt printer, Type of	N/A	N/A

	printer		
	Suitable software for connecting PC & Printer	N/A	*
	Connectivity	RS 232	*
	Internal storage(GB)	80	80.0 - 80.0 Or higher
	Sample switching/selection	Automatic	*
	Capacity of Sample holder / Sample Carousel	2	*
	Mximum Path Length of sample	100	100.0
	Number of Cuvettes supplied-inclusive in the scope of supply	2	2
	Power Supply	230 V \pm 10, 50 Hz	*
	Spares and Consumables inclusive in the scope of supply	Yes	Yes
	List of Items and Quantity of each item included in the offer	-	*
OPERATING CONDITIONS	Minimum Operating Temperature	10	10.0
	Maximum Operating Temperature	35	35.0
	Operating Humidity (RH) (%) at 40 degree C	80	80.0
WARRANTY	Onsite Warranty	1	1.0
	Availability of Spares (at extra cost)	7	7.0
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
	Conformance to EMC/EMI as per EN 61326-1:2013 Electrical equipment for measurement, control and laboratory use	Yes	Yes
	Availability of Test Reports from Central Govt / NABL approved / ILAC accredited lab to prove conformity to the specification	No	No
	If yes test report to furnished,to the buyer on demand	N/A	*

* 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	Vivek Pandurangji Masram	441104,NTPC Limited, Mouda Super Thermal Power Project, Mouda Ramtek Road, PO Mouda	2	15

Bid Specific Additional Terms and Conditions

1.Scope of supply (Bid price to include all cost components) : Only supply of Goods

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

---Thank You---