



CIPET-INSTITUTE OF PLASTICS TECHNOLOGY (IPT)

(Department of Chemicals &amp; Petrochemicals, Ministry of Chemicals &amp; Fertilizers, Govt. of India)

OFFICE ADDRESS - B-27, AMAUSI INDUSTRIAL AREA, LUCKNOW-226008

## Technical Bid

CIPET-IPT/LKO/COLOUR\_SPECTROMETER/2020-21/01

TENDER NO	CIPET-IPT/LKO/COLOUR_SPECTROMETER/2020-21/01	
ITEM DESCRIPTION	COLOUR SPECTROPHOTOMETER	
Sl. No.	PARTICULARS	
1	Name of the Supplier / Manufacturer	
2	Postal address	
3	Telephone No. with STD code	
4	Fax with STD code	
5	Name of Contact person	
6	Mobile No.	
7	e-mail ID	
8	<b>BELOW GIVEN DOCUMENTS TO BE SCANNED AND UPLOADED IN THE WEBSITE <a href="http://www.tenderwizard.com/CIPET">www.tenderwizard.com/CIPET</a> WITHIN THE PERIOD OF SUBMISSION.</b>	<b>"YES" OR "NO"</b>
9	<b>Certificates:</b>	
10	i) Registration Certificate if Any, with DPS/DGS&D/NSIC/MSME	
11	ii) PAN (Permanent Account Number) Registration	
12	iii) Certificate of Registration for GST	
13	iv) Authorization certificate from principal (if not manufacturer)	
14	<b>Commercial Terms for Quoted items (Please Provide Commercial terms and conditions in the below form)</b>	
15	Validity of offer	
16	Price Shall be firm throughout the currency of contract, in the event of placement of purchase order.	
17	Terms of Payment:- i) 90% on submission of the proof of receipt of the machine/equipment at CIPET-IPT, Lucknow along with original invoice. ii) 10% on submission of the installation report at CIPET-IPT, Lucknow	
18	<b>Price Term (Free Delivery/ Safe Door Delivery)</b>	
19	Delivery period (in days)	
20	Please Indicate the Period of Guaranty / Warranty (Minimum <b>TWO YEARS (2)</b> is required)	
21	<b>QUESTIONNAIRE TO BE FILLED BY BIDDER IN AND SENT ALONG WITH OFFER DULY SIGNED</b>	
22	Whether All Documents Relating to tender Viewed	
23	<b>Scope of Supply (Item wise should be attached in separate sheet)</b>	
	a) Make and Model along with specification.	
	b) List of Standard Accessories to be supplied along with machinery / equipment	
	c) Technical Catalogue / Brochures / Leaflet.	
24	<b>Past Three Years Supplies Details - Similar Machine</b>	
25	<b>Client Certificate for Past Three Years</b>	
26	<b>Scanned copy of Demand Draft of Tender Fees(Rs.2,950/-)</b>	
27	<b>Bid Security Declaration</b>	

Technical Specification			
	Make		
	Model		
Item	Specification	Bidder Specification	
1	Purpose	To measure colour, Yellowness Index as per various Indian and International Standards	
2	Applicable Standard	ASTMD-1925, ASTM E313, ASTM D 2244, ASTM E1164, DIN 5033, JIS Z 8722, ISO7724/1, CIE 15:2004 etc.	
3	Light Source	Pulsed Xenon lamp filtered to approximate D65	
4	Viewing Aperture	Large area view : 1.75 in illuminated, 50mm measured	
		Small area view : 1.75in, 1.00in, 0.50in, 0.25in & 0.13in illumin	
		2in, 1.20in, 0.7in,0.40in, 0.20in measured	
5	Lens switching for LAV/SAV	Automatic	
6	Spectral Range	400-700nm	
7	Resolution	<3nm	
8	Effective Band width	10nm equivalent triangular	
9	Photometric Range	0-150%	
10	Photometric Resolution	0.00%	
11	Light Source	Pulsed Xenon Lamp, Filtered to approximate D65 daylight	
12	Light Source	Pulsed Xenon Lamp, Filtered to approximate D65 daylight	
13	Lamp Life	1 billion flashed or better	
14	Automatic UV Control	420nm cutoff filter for UV control & UV Exclusion	
15	Measurement Time	<3 seconds. (Except 3mm area<10sec.)	
16	Calorimetric Repeatability	For white tile $\Delta E < 0.09$ for 44mm (1.75in)	
		For blue denim tile $\Delta E < 0.07$ for 44mm (1.75in).	
17	Inter Instrument Agreement	$\Delta E < 0.15$ (Avg) for 44mm (1.75in)	
		$\Delta E < 0.36$ (Max) for 44mm (1.75in) CIF Lab (Max.)	
18	Equipment to be supplied with all essential Accessories such as	Calibrated white UV Fluorescent Standard with NIST Traceable Certificate of Calibration-01	
		Sample cut Opaque cover-01 No	
		Glass sample cut (2.5in)-04 Nos.	
		Part insert 2.5in class sample cut holder -01 No. Sample clamp assembly -01 No.	
		Other parts like cable adopter, power card etc.	
		Black calibration light Trap	
		Green check tile	
Suitable advanced software & manual			
19	Color matching software to measure L, a, b $\Delta$ xyz	Suitable advanced software inbuilt with instrument	
20	Other Mandatory Accessories	While supplying the matching the supplier should also provide	
		Branded PC (if required for operation) of best configuration with necessary software including software for colour matching & Colour printer suitable for the instrument operation	
		Basic tool Kit-01 Set	
		Hard copies of operational & Service Manual-01 Set	
		The Machine should come with all other essential	
		Onsite free operational training	