पंजाब केन्द्रीय विश्वविद्यालय

गाँव और डाकघर, घुड्डा, जिलाबठिंडा ,151401-(पंजाब)

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Central University of Punjab

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OPEN NOTICE:- 22 (2025-26)

Subject: Purchase of Chlorophyll Meter (Make: Apogee Instruments Inc. USA, Model MC-100), Patent No. US 9733179 B1, for Department of Environmental Science & Technology on Proprietary/Nomination basis – Inviting comments reg.

An indent has been received from Department of Environmental Science & Technology, Central University of Punjab, Bathinda for procurement of Chlorophyll Meter Make: Apogee Instruments on proprietary/nomination basis through Green Spectrum Technology Pvt. Ltd.

S.No.	Patent No.	Description	Qty.
1.	No. US 9733179 B1	 Chlorophyll Meter (Make: Apogee Instruments, Model MC-100) Portable & designed to use in the field for In-Situ measurement of Chlorophyll Concentration Patented instrument, non-destructive measurement of chlorophyll concentration (Patent US 9733179) Should be able to measure Chlorophyll Concentration (not index) Display output Unit/measurement unit: μmol of chlorophyll per m² of leaf surface Resolution: ± 10 μmol m² Repeatability: ± 1% Measurement Area: ≥5mm diameter (suitable for small leaf area) or better Sample acquisition time: < 3 seconds Temperature Range: 0 deg C − 50 deg C Measurement System: Reflectance of 653 nm to 931 nm light equivalent or better Storage capacity: 8 MB for up to 160000 data measurements; 94000 data measurements for GPS data entries Data logger memory: 100,000 or better Inbuilt GPS for field data to be geo-referenced and stored PAR- FAR sensor with logger for light applications System should have inbuilt battery and display. Temperature drift minimized by fully temperature compensated source and 	01
		 detector circuitry Accessories: Data downloading cable, Adapter/Ring for small leaf Area, Battery, carry case 	

Departmental PAC certifications and others related documents are attached herewith.

The above document are being uploaded for open information and to invite objections, comments/offers if any, from any manufacturer/ supplier firm regarding proprietary nature of the item and availability of above equipment with required specifications within 10 days from the date of issuance of this notice giving Reference No. D-6, 21/11/2025. Objections/ Comments should reach Office of the Stores & Purchase Branch, Central University of Punjab, V.P.O- Ghudda, District Bathinda – 151 401 by post or through email procurement@cup.edu.in on or before 21.12.2025, failing which it will be presumed that no firm has any objection/ comment to the above offer and case will be decided on merits as per rules.

प्रभारी भंडार एवं क्रय शाखा)

I/c Stores & Purchase Branch (For and On behalf of Central University of Punjab)

Enclosure:

- 1. PAC Certificates
- 2. Detailed Specification