



DHARANIDHAR UNIVERSITY

KEONJHAR -758001, ODISHA, INDIA

Website: www.dduniversity.ac.in

TENDER CALL NOTICE

MRIP-2023-GEOLOGY (23EM/GL/87)/001/2025

10.02.2025

Sealed tenders are invited from recognized Firms/Manufacturers/ Distributors/ Authorized Dealers with valid GSTIN for the supply of Equipment for the research project under MRIP-2023 funded by OSHEC, Govt. of Odisha titled "**Development of a ISRO satellite based normalized algorithm for the management and monitoring of the transition zone of Similipal Biosphere Reserve**".

Last Date: Sealed tender complete in all respect must reach to: **Dr. Prabhu Prasad Das, Chairman, PG Council, Dharanidhar University, Keonjhar-758001 on or before the date of 24/02/2025 by 5.00 PM.** The authority reserves the right to cancel the tender without assigning any reason thereof.

The Principal Investigator
MRIP-2023-GEOLOGY (23EM/GL/87)
Dharanidhar University, Keonjhar – 758 001

P.T.O.



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The details of requirement are given below in the Table.

Sl. No.	Name of the Item	Specification of the Item	Quantity
1	Chlorophyll meter SPAD- 502 plus	<ul style="list-style-type: none">▪ Measurement subject - Crop leaves▪ Measurement method -Optical density difference at 2 wavelengths▪ Measurement area - 2 mm×3 mm▪ Subject thickness -1.2 mm maximum▪ Subject insertion - depth 12 mm (with stopper having position adjustable from 0 to 6 mm)▪ Light source- 2 LED elements▪ Receptor -1 SPD (silicon photodiode)▪ Display - LCD panel showing 4-digit measurement value (values shown to first decimal place) and 2-digit number of measurements; Trend graph of values in memory can also be shown.▪ Display range- -9.9 to 199.9 SPAD units▪ Memory function - Memory capacity for up to 30 values; Calculation/display of average of data in memory also possible▪ Power source - 2 AA-size alkaline batteries▪ Battery life - More than 20,000 measurements (when using new alkaline batteries under Konica Minolta test conditions)▪ Minimum interval between measurement - Approx. 2 seconds▪ Accuracy - Within ± 1.0 SPAD units (for SPAD value between 0.0 and 50.0 under Normal temperature/ humidity) "*" added to display when measurement exceed 50.0 SPAD units▪ Repeatability - Within ± 0.3 SPAD units. (For SPAD value between 0.0 and 50.0 (with no change in sample position)	01



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Sl. No.	Name of the Item	Specification of the Item	Quantity
		<ul style="list-style-type: none">▪ Reproducibility - Within ± 0.5 SPAD units. (For SPAD value between 0.0 and 50.0 (with no change in sample position)▪ Temperature drift - Within ± 0.04 SPAD units/$^{\circ}\text{C}$▪ Operation temperature/humidity range - 0 to 50°C; Relative humidity of 85% or less (at 35°C) with no condensation▪ Storage temperature/humidity range - -20 to 55°C; Relative humidity of 85% or less (at 35°C) with no condensation▪ Size: – 78 (W) x 164 (H) x 49 (D) mm, 200g (excluding batteries)▪ Other - Warning buzzer; User compensation factor▪ Standard accessories - Depth stop; Strap; 2 AA-size alkaline batteries; Soft case; Reading checker	
2	PC control fully automatic Single Beam UV-Visible spectrophotometer: SYSTRONICS 119	<ul style="list-style-type: none">▪ Optics: Single Beam▪ Wavelength Range: 200-1000 nm▪ Bandwidth: 1 nm▪ Resolution: 0.1 nm▪ Photometric Range: -0.03 to 2.5 Abs▪ Photometric Accuracy: ± 0.005 Abs at 1.0 Abs▪ Sample Holder: Automatic 5 position Sample Changer Single Position 10 mm Cuvette Holder	01

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