

NATIONAL CENTRE FOR SUSTAINABLE COASTAL MANAGEMENT

Ministry of Environment and Forests (MoEF)

Koodal Building, Anna University Campus, Chennai – 600025

Specification for the Ceptometer (Quantity required: 2Nos.)

1. Intended Item: Ceptometer for PAR and LAI measurement.

Technical Specifications:

General	Integrated unit for measuring PAR and LAI
System specifications	Range: $0 > 2,500 \mu\text{mol} / \text{m}^{-2} \text{s}^{-1}$ or equivalent unit Resolution: $1 \mu\text{mol} / \text{m}^{-2} \text{s}^{-1}$ Minimum spatial resolution: 1 cm PAR Range : 400-700nm Probe length and Number of sensors: dense array of sensors (preferably around 80 sensors within less than one meter bar length or better) for averaging PAR under canopy Operating environment: Temperature ~0-40°C or better Instrument weight (w/ batteries): ~1 kg Data downloading and configuring cable: RS-232/USB Unattended logging : user selectable Software : data logging and processing Power: Rechargeable Battery with compatible Charger External PAR sensor connector Suitable carrying case