



BSRN for IISS

with India - Valiamala, Kerala

A solar radiation measurement network at IIST, Kerala, utilizing advanced EKO Instruments for precise solar energy research.

EKO Instruments, in collaboration with Rational Technologies, has partnered with the Indian Institute of Space Science and Technology (IIST) to establish the Base Station Radiation Network in Valiamala, Kerala. Installed in November 2023, the project integrates advanced solar measurement instruments, including the STR-22G dual-axis Sun Tracker, MS-57 Class A Pyrheliometer, and various pyranometers and radiometers, to measure key solar radiation parameters such as GHI, DHI, DNI, UVA, and UVB. This initiative supports IIST's research in solar energy, contributing to precise radiation assessment for scientific and technological advancements.

<https://www.iist.ac.in/>

<https://rtpl.in/>

#pyranometer

#suntracker

#bsrn

#india

#pyrgeometer

#pyrheliometer

#rationaltechnologies

Instruments: STR-22G Sun Tracker, MS-40 Pyranometer, MS-Albedo x4 Kit, MS-21 Pyrgeometer

Collaborators: Rational Technologies

Measured Parameters: GHI, DHI, DNI, UVA, UVB

Field: Solar Energy

Installation Date: 2023

Location: Valiamala, Kerala - India

