

On behalf of:



IGCA Call for Proposals: Research Instrumentation and Monitoring Support

Building India's evidence base on Agrivoltaics through a network of monitored field sites

- **Implemented by:** Indo-German Cooperation on Agrivoltaics (IGCA)
- **Applications open:** 21 October 2026
- **Application deadline:** 31 January 2027
- **Eligible projects:** Agrivoltaics projects of at least 50 kWp DC (existing, or planned within six months of award)
- **Support categories:** Basic Data Monitoring Award (50-200 kWp); Comprehensive Data Monitoring Award (above 200 kWp)
- **Apply at:** [Online Application Form](#)

About the Call

The rapid emergence of Agrivoltaics in India has created a need for robust field-based evidence on agricultural, environmental, water, and energy outcomes. While several pilot and commercial projects are being established, many lack the scientific instrumentation required for systematic monitoring and long-term assessment.

To strengthen evidence generation and support data-driven decision-making, the Indo-German Cooperation on Agrivoltaics (IGCA) invites applications for research instrumentation and monitoring support for agrivoltaics projects across diverse agro-ecological regions of India focusing on Gujarat, Madhya Pradesh, Maharashtra, Odisha, Assam and beyond.

Objective

The program aims to establish a network of monitored Agrivoltaics sites that can generate high-quality data on system performance, agricultural productivity, microclimate interactions, water use, energy generation, and farmer outcomes. The initiative will contribute to building a stronger evidence base for Agrivoltaics research, policy, and practice.

Support Categories

Two types of support will be offered by IGCA.

1. Basic Data Monitoring Award (for projects of 50-200 kWp capacity)

Basic research and monitoring instruments, such as:

- Air temperature, wind velocity and humidity monitoring
- Water and energy metering
- Rainfall monitoring and soil moisture assessment
- Soil chemistry monitoring

2. Comprehensive Data Monitoring Award (for projects above 200 kWp)

Advanced research and monitoring instruments, such as:

- Vapor Pressure Deficit (VPD) sensors
- Photosynthetically Active Radiation (PAR) sensors
- Panel surface temperature sensors and radiation measurement instruments
- Albedometers, pyranometers and multispectral cameras
- Other advanced monitoring equipment

Who Can Apply?

Applications are invited from:

- Public and research institutions (including universities)
- Agrivoltaics practitioners and RE developers
- Individual farmers, including PM-KUSUM beneficiaries
- Farmer groups, FPOs and farmer cooperatives
- NGOs and civil society organizations working directly with farmers
- Social enterprises and startups implementing Agrivoltaics pilots
- Any other relevant institutions supporting agriculture and rural livelihoods

Applicants should have either:

- An existing Agrivoltaics installation of at least 50 kWp DC capacity; or
- A confirmed plan to establish an Agrivoltaics project (at least 50 kW DC) within six months of award

Selection Process

The selection process will involve two stages:

- **Stage 1:** Submission of a detailed concept note / proposal through a structured online application format. Applications will be reviewed by an Internal Review Committee constituted by IGCA partners.
- **Stage 2:** Presentation to the IGCA Steering Committee and invited external experts for final selection and award.

Selection Criteria

Proposals will be evaluated on mutually agreed criteria and weights, along with important non-ratable parameters. The likely criteria and relative weights are:

- **Technical and Financial Design (40%):** Quality of design, capacity and size, energy use / evacuation plan, agricultural planning, implementation capacity, innovation in financing, extent of own contribution and clear execution timeline.
- **Local Monitoring Support (30%):** Instrument deployment strategy and support available for regular and robust field data monitoring and collection.
- **Strategic Relevance (30%):** Scaling potential, alignment with policy priorities, demonstration effect; priority for projects with higher impact potential.

Expectations from Awardees

- Ensure installation and maintenance of the research instruments
- Ensure regular data collection and share agreed datasets and field observations
- Document operational experiences, challenges and lessons learned
- Contribute to knowledge-sharing and dissemination activities facilitated by IGCA

Expected Outcomes

The awards are expected to help establish a network of monitored Agrivoltaics sites that generate high-quality data on system performance, agricultural productivity, microclimate interactions, water use, energy generation and farmer outcomes. The initiative will contribute to a stronger evidence base for Agrivoltaics research, policy and practice.

Key Dates

- **Online applications open:** 21 October 2026
- **Information sessions:** November - December 2026
- **Application deadline:** 31 January 2027
- **Finalists announced:** 31 March 2027
- **Final round presentations and award:** April - May 2027

How to Apply

- The call is hosted on the APV portal maintained by IGCA (<https://www.agrophotovoltaics.in/>).
Apply through the online application format here: [Online Application Form](#).
- For queries, write to: International Water Management Institute, iwmi-awc2026@cgiar.org

About IGCA

The Indo-German Cooperation on Agrivoltaics (IGCA) project will accelerate the adoption and scaling of Agrivoltaics in India by integrating solar energy generation with sustainable agriculture, optimizing land use while strengthening food and energy security. It will demonstrate scalable Agrivoltaics models across diverse agro-ecological zones and develop viable business and financing mechanisms for farmers and developers. Through capacity building, knowledge transfer and gender-inclusive approaches, it will strengthen the capabilities of farmers, developers and institutions. In partnership with central and state governments, the project aims to support policy integration and create an enabling ecosystem for the long-term mainstreaming of Agrivoltaics in India.

IGCA is implemented on behalf of the International Climate Initiative (IKI) of the Federal Government of Germany. The project is jointly implemented by Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Fraunhofer Institute for Solar Energy Systems (ISE) and the International Water Management Institute (IWMI).