



Online Training Programme on Solar Thermal Technologies - Performance Evaluation and their Applications



Date: 26th – 27th August, 2021 (Online Mode)

National Institute of Solar Energy

Gwal Pahari, Gurugram-Faridabad Road,
Gurugram, Haryana - 122003

Background

Solar energy, the most abundant natural resource is easily capable of providing many times the total current energy demand. India is endowed with vast solar energy potential about 5,000 trillion kWh per year energy is incident over land area with most parts receiving 3-5 kWh per sq.m per day. Solar energy can be directly used for generating electricity as well as for heating and cooling requirements. Solar thermal technologies can be used for fulfilling domestic and industrial heating and cooling requirements viz. solar water heaters, space heaters etc.

In the recent years, innovative solar thermal technologies have come up to support and fulfill the requirements of agriculture and farm sector, such as drying of fruits and vegetables using solar dryer, preserving fruits and vegetables in a solar powered cold storage, cooling of milk using a solar powered milk cooler etc. Thermal energy storage technology is also used to store energy in cooling form for fulfilling the needs during non-solar hours.

About NISE

NISE is an autonomous institute under Ministry of New and Renewable Energy, Government of India established to facilitate the Research & Development, Testing, Certification, and Skill Development activities in the field of solar energy technologies (www.nise.res.in).

Training Objectives

1. To understand the evolving Solar Thermal Technologies, their Performance Parameters and Testing Standards.
2. To understand various applications of Solar Thermal Technologies in agriculture and farm sector.
3. To understand the usage and integration of Thermal Energy Storage in Solar Thermal applications.

Target Audience

Graduate Engineers with basic knowledge of Thermal Concepts, Solar Entrepreneurs, Agriculture Professionals, Public Sector Undertaking Officials, and Officers from State Nodal Agencies etc.

PROGRAMME AGENDA

Day 1	
Timing	Course Content
10:30 am to 01:30 pm	Opening remarks by Director General, NISE
	Overview of Solar Thermal in India: Opportunities, challenges and way forward
	Solar Resource: Forecasting and Assessment
	Design Aspects of Solar Thermal Technologies
	Performance Evaluation Parameters of Solar Thermal Technologies and their Testing Standards

Day 2	
Timing	Course Content
10:00 am to 01:30 pm	Recent Advances in Thermal Energy Storage
	Solar Dryer and its application in Agriculture Sector
	Solar Powered Cold Storage and Bulk Milk Cooler with Thermal Energy Storage
	Future Prospects and Business Opportunities in Solar Thermal Technologies in India
	Feedback and Conclusion
<i>Faculty shall be experts from Solar Industry / Professionals.</i>	

Fee Details:

Training fees per participant	Rs 2000 plus GST @ 18 % (Rs 2,360/-) in favor of “National Institute of Solar Energy –Capacity Building” Gurugram.
Fees includes	Access to all the lectures’ slides and e-certificate

Number of Seats:

No. of seats	Registration confirmation based on the payment confirmation.
50	

How to Apply?

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1. Step by Step procedure to fill the Application.(Click Here)
2. To register either click on link or copy and paste the link <https://training.nise.res.in/u/apply>.
3. Participant will have to give basic details in the registration page.
4. After filling the required details an OTP will be sent to your email ID through which participant will Login
5. After logging in participant has to fill the payment details as per the following details:

Participants may kindly make the Payment of **Rs 2,000 plus GST @ 18 % (Rs 2,360/-)** through RTGS/NEFT/Cheque/Demand Draft (DD) only, in favor of:

Account details are as follows:

ACCOUNT HOLDER NAME: NATIONAL INSTITUTE OF SOLAR ENERGY (NISE)

ACCOUNT TYPE: CURRENT ACCOUNT

BANK NAME: STATE BANK OF INDIA, DLF QUTAB ENCLAVE, SHOP NO.: 109-110 QUTUB PLAZA, SHOPPING C, GURGAON HARYANA,

(SBI BRANCHCODE: 6604)

ACCOUNT NO. 37266665652

IFSC CODE: SBIN0006604

Note: If you require invoice against your organization, it is mandatory to mention GSTIN number of your organization. Otherwise, your invoice will be generated as an individual.

The participants must clearly indicate their bank transfer details in the application form. Registration will be confirmed only after the making of desired payment and submission of the application form.

Coordinators at NISE:

For any queries, please contact between 10:00 am to 17:30 pm during weekdays:

Dr. Vikrant Sharma	Dy. Director	sharma.vs1982@gmail.com (0124-2853035)
Ms Pooja Sharma	Consultant	startups.nise@gmail.com (0124-2853039) (9999725683)

For technical queries, please contact between 10:00 am to 17:30 pm during weekdays:

Vikrant Yadav	Assistant Director	vikrant.nise@gmail.com (0124-2853122)
Yogendra Singh	Assistant Director	ysinghmre@gmail.com (0124-2853126)