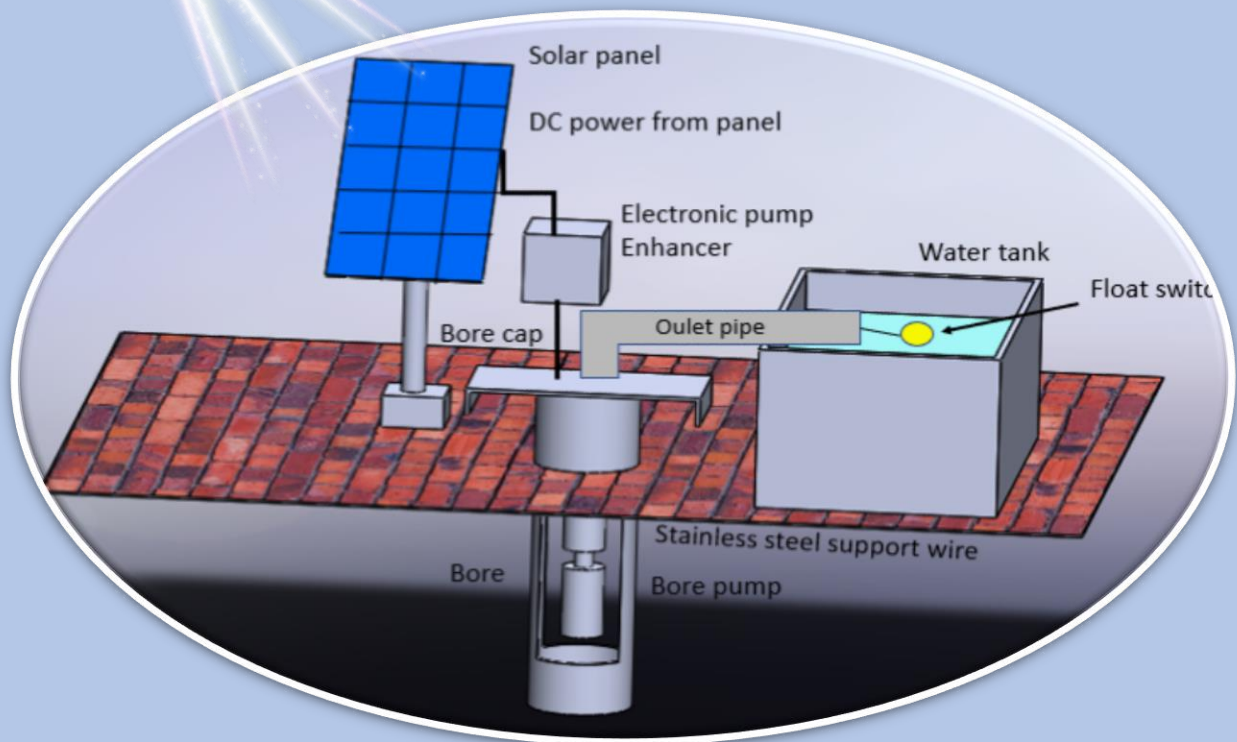




SKILL DEVELOPMENT PROGRAMME ON DESIGN, INSTALLATION & COMMISSIONING OF SOLAR WATER PUMPING SYSTEM TRAINING PROGRAM (ONLINE MODE)

Date: 22nd to 24th December, 2020



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 power is the conversion of sunlight into electricity. Two main commercial ways of conversion of sunlight into electricity are Photovoltaic Plants (PV) and Concentrating Solar Power system (CSP). PV directly converts sunlight into electricity. Photovoltaic system comprises PV Modules, Inverters & Charge Controllers, Mounting structure, and Balance of System Components.

For setting up the Solar PV water pumping system, site survey and effective design has to be carried. Various factors are available to analyse the solar data for its reliability, to design and to estimate the water output as per the end user requirement. Awareness about new and advanced technologies of SPV Water Pumping System.

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)

Learning Objectives

1. To understand the design aspects in various types of Solar PV Water Pumping System
2. To learn about the important fundamentals and applications of SPV Water Pumping system.
3. To understand financial design (Costing) of a SPV Water Pumping system.
4. To get an overview of operation & maintenance of SPV Water Pumping System.

Vision & Mission

1. The **vision** of this programme enables participants to aware about the new schemes launched by the government of India for the benefits of the end user.
2. The **mission** of this programme is to impart the knowledge and proper training to operate Solar Water Pumping System.

Target Audience

Graduate Engineers with basic knowledge of Electrical Concepts; Solar Entrepreneurs; Agriculture professionals & farmers; Public Sector Undertaking Officials; EPC contractors; MNRE channel partners; Senior Energy Department Officials of Govt. of India and Officers from State Nodal Agencies etc.

PROGRAMME AGENDA

Day 1	
Timing	Course Content
10:00 am to 12:45 pm (3 Sessions)	Introduction to Course and Participants
	Overview of Renewable Energy Development in India.
	Basics of a Solar PV System, and its Components

Day 2	
Timing	Course Content
10:00 am to 12:45 pm (3 Sessions)	Fundamentals & Designing of Solar PV Water Pumping System and Financial design (Costing) of a SPV Pumping System.
	Solar PV Water Pumping System Design
	Testing and Standards of Solar Water Pump Test Facility

Day 3	
Timing	Course Content
10:00 am to 12:45 pm (3 Sessions)	Operation and Maintenance
	Discussion on Case Studies, Subsidy and KUSUM Scheme information
	Feedback, Assessment and Conclusion.
<i>Faculty shall be experts from Solar Industry / Professionals.</i>	

Program Coordinator : Mr. Rahul Pachauri, Project Engineer, NISE

Program Director : Ms. Richa Parmar, Deputy Director, NISE

How to Apply?

Participants may kindly make the Payment of **Rs 3,000 plus GST @ 18 % (Rs 3,540/-)** 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 BRANCH CODE: 6604)

ACCOUNT NO. 37266665652

IFSC CODE: SBIN0006604

After making the desired payment, submit your details in the application form in the link below:

<https://training.nise.res.in/>

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. For any clarifications, contact Mr. Rahul Pachauri, Ph: 9953451476 or nisepvdesign@gmail.com

Number of Seats:

No. of Seats	Registration Confirmation
100	Based on the payment confirmation.

For Clarifications related to Payment Mr. Jyoti Prakash- Consultant (0124 – 2853004):

jyoti.nise@gmail.com

Training Fees per participant	Rs 3000 plus GST @ 18 % (Rs 3,540/-) in favor of “National Institute of Solar Energy –Capacity Building” Gurugram.
Fees Includes	Access to all the lectures, Certificate