

## National Institute of Solar Energy (NISE)

(Ministry of New and Renewable Energy, Govt. of India)

*sponsored,*

### Rooftop Solar Grid Engineers Course

(January 21 – 31, 2019)

#### Registration Form

#### Participant Details-

PHOTO

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Date of Birth: \_\_\_\_\_

Address for correspondence: \_\_\_\_\_

District: \_\_\_\_\_ State: \_\_\_\_\_ PIN: \_\_\_\_\_

E-mail: \_\_\_\_\_

Phone/ Mobile Number: \_\_\_\_\_

Adhar Number: \_\_\_\_\_

Educational Qualification: \_\_\_\_\_

Work Experience (Years): \_\_\_\_\_

#### Organization Details (If Any)-

Name of the organization: \_\_\_\_\_

Address of the Organization: \_\_\_\_\_

Contact No. \_\_\_\_\_

E-mail: \_\_\_\_\_

(Signature of Applicant with Date)

#### Chief Patron

**Hon. Dr. Abhay Wagh**

Director, Directorate of Technical Education,  
M.S.Mumbai

#### Patron

**Hon. Shri. Gulabrao R. Thakare**

Jt. Director, Directorate of Technical  
Education, Nagpur Regional Office, Nagpur

#### Convener

**Prof. Dr. M. B. Kumthekar**

Principal  
Govt. College of Engineering Nagpur

#### Coordinators

**Dr. Nitin D. Ghawghawe**

Professor  
Deptt. of Electrical Engineering  
Govt. College of Engineering Nagpur

**Dr. Kshitija N. Kadam**

Dean (R&D) and Associate Professor  
Deptt. of Civil Engineering  
Govt. College of Engineering Nagpur

“Cradle of Technical Excellence”



**Govt. College of Engineering Nagpur**

(Under Directorate of Technical Education  
Govt. of Maharashtra)



**NISE Sponsored Two Weeks Training  
Course**

**On  
Rooftop Solar Grid Engineer**  
(January 21 – 31, 2019)

*Supported by,*

**Ministry of New and Renewable  
Energy, Govt. of India**



*Organized by-*

**Department of Electrical Engineering  
Govt. College of Engineering,  
Sector 27, MIHAN Rehabilitation Colony  
Khapari (Rly), Nagpur (M.S.) – 441 108  
web: www.gcoen.ac.in**

### **ABOUT THE INSTITUTE:**

Government College of Engineering, Nagpur was established in 2016. It is affiliated to Rashtrasant Tukdoji Maharaj Nagpur University Nagpur and offers five UG programmes in engineering disciplines. The institute has its own campus spread over 11.5 acres of land. In a short period, the college has developed a reputation in Maharashtra and has aimed to achieve the goals as per the Vision. The Institute has established the bonds a premier institute of India, catering to the needs of industries, public sector undertakings, institutes and community in general.

The Institute offers Bachelor of Engineering in Civil, Mechanical, Electrical, Electronics & Telecommunication and Computer Science & Engineering.

This young institute has already conducted many workshops and training programmes for technical upgradation of students, faculty as well as nonteaching staff.

The Institute is very successfully conducting Surya-Mitra programme (a skill development training program for solar equipment maintenance), in association with MITCON. The fourth batch of this programme is under progress

### **ABOUT THE COURSE:**

The Indian Solar Power sector added 9.0 GW solar capacity in 2017-2018, with decrease in the average current price of solar electricity compared to coal-fired power plant. This huge annual growth of Indian Solar Power along with technological advancements and sophistication resulted in demand of trained manpower. The knowledge acquired from various sources provides basic foundation, which needs to be supplemented with the development of Skills related to Solar Energy.

Government of India has set a target of 40 GW installations of Rooftop Systems in the country by 2022. This calls for availability of trained manpower for installation, Operation & Maintenance of Rooftop Systems. In this regard, NISE has launched a 10-days Rooftop Grid Engineer Skill Development program with Target audience as Graduate Engineers with basic knowledge of Electrical Concepts

### **COURSE CONTENTS:**

- Understand the basics solar energy and concept of Rooftop solar , GCRT (Grid connected rooftop solar)
- Survey a rooftop solar PV installation site,
- Understand all equipment related to the rooftop solar PV system,
- Design a rooftop solar PV system as per Customer's requirements as well as appropriate codes and standards,
- Prepare the necessary technical documents related to the design, installation and operation of the rooftop PV system,
- Install a rooftop solar PV system based on the relevant designs and drawings,
- Management for installation of a rooftop solar PV system
- Post commissioning inspection of the Grid Connected Rooftop Solar PV Power Plant.
- Operate and maintain a rooftop solar PV system including identification and troubleshooting of faults, Undertake project
- Understand necessary formalities with authorities for applications, submissions, approvals, interconnections, inspections, certifications, commissioning, etc.,
- National and State Policies for Grid Integrated SPV Power Plants
- Different Metering mechanisms and Key Implementation Requirements, Standards, Regulations

- Pre commissioning inspection of the Grid Connected Rooftop Solar PV Power Plant.

### **ELIGIBILITY:**

Graduate Engineers with basic knowledge of Electrical Concepts; Solar Entrepreneurs; Diploma/Polytechnic plus 5 years of experience; Public Sector Undertaking Officials; EPC contractors; MNRE channel partners; Senior Energy Department Officials of Govt. of India and Officers from State Nodal Agencies etc. Full time teachers of any discipline from AICTE approved Engineering Colleges/ University departments are eligible to apply.

### **REGISTRATION:**

Scanned copy of Registration form should be sent by mail to the mail ids mentioned in contacts or by post to the office latest by 18<sup>th</sup> Jan. 2019 up to 11.00 am. No registration fee is charged.

### **SELECTION CRITERIA:**

The enrolment in the course will be done on "First Come First Serve" basis. Preference will be given to Female candidates. List of selected candidates will be available on official website on 18<sup>th</sup> Jan.2019 at 5.0 pm.

### **ACCOMODATION TA/DA:**

The course is non-residential. No TA / DA will be provided by this institute to any participant. Lunch along with refreshments will be provided by the Institute to the candidates.

### **CONTACTS:**

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