



National Training Programme on

*Renewable Energy Technologies: Recent
advancements and Techno Economic
aspects*

(28th November – 1st December, 2022)



Organized by

Sardar Swaran Singh National Institute of Bio-Energy,

**(An Autonomous Institution of Ministry of New and Renewable Energy,
Govt. of India)**

**12 Milestone, Wadala Kalan, Kapurthala
Kapurthala 144601 (Punjab)**

About SSS-NIBE

Sardar Swaran Singh National Institute of Bio-Energy (SSS-NIBE) is an autonomous Institution of the Ministry of New and Renewable Energy, Govt. of India. The vision of the Institute is to carry out state-of-the-art research and development, demonstration, testing and standardization activities, including human resource development at all levels, post-doctoral research and research for wide promotion of bioenergy in the country. SSS-NIBE is located in the state of Punjab on Jalandhar-Kapurthala Road, 18 km away from Jalandhar city towards Kapurthala. The Institute is located in between Punjab Technical University and Pushpa Gujral Science City. Jalandhar city is well connected by airways, railways and roadways with the nearest airport at Amritsar.

Background

The Ministry of New and Renewable Energy (MNRE) has been supporting programmes for promoting renewable energy with a target of 500 GW power generation by 2030. Trained human resources are therefore inevitably required for all sectors of working including solar, wind, bioenergy, off-grid and grid power generation and biofuels for transport applications. Off grid applications through solar, hybrid systems of wind and biomass, waste for energy are also emerging as potential area not only for energy requirement but also for achieving sustainable development by mitigating climate change. Thus, there is a strong need to take up research and initiatives for technology development and demonstration to integrate renewable energy for various applications and sustainable development. The institute, being a research institute in Bio Energy is addressing the issues by developing technology and validating it in integrated manner as potential source of energy and for sustainable energy.

Learning Objective

The main objective of the national training programme is to introduce the importance and various applications of renewable energy including solar, wind and bioenergy, characterization of biomass and assessment, biomass gasification, fundamentals of solar, wind and biomass power generation, off-grid and grid power generation, waste utilization for energy production, financing for industrial projects and techno-economics for renewable energy projects and its utilization, including various policy issues to be addressed by various experts and Govt Officers.

Organizing Committee

Chairman	:Dr G Sridhar, Director General, SSS-NIBE
Coordinators	: Dr. Rawel Singh, Scientist D, SSS-NIBE Dr. Nikhil Gakkhar, Scientist C, SSS-NIBE
Convener	:Dr. Vandit Vijay, Scientist C, SSS-NIBE

Key note lectures

The key note lectures on the relevant topics will be delivered by the invited experts from R&D/Academic/Financing Institutions, Ministry, Industries and Scientists of the institutes.

Broad Themes

- ✓ Recent advancements in renewable energy technologies - solar, wind, biomass and biogas, energy storage
- ✓ Biomass characterization and resource assessment
- ✓ Biomass combustion and gasification technology
- ✓ Solar-Wind-Biomass Hybrid systems
- ✓ Renewable Energy for Commercial Applications and Techno-economics
- ✓ Field Experiences/ Success Stories
- ✓ Investment Opportunities in Renewable sector
- ✓ Site visit for industrial exposure

During the training programme, focus will be given on combination of lectures and practical sessions, hands on training, including lab visits. Knowledge sharing with group discussions, interactions with experts, workshops, hands on training, case studies, etc. will be encouraged.

Target Audience

SNDs/SNAs/ BDTCs/ KVIC, Manufacturers of Bioenergy, wind and solar systems, Project Developers, Implementers, Consultants, Faculty, Researchers from academics & industry and students are welcome to participate in the training program. **Only 20 seats are available** which will be filled on first come first serve basis. Preference will be given to applicants who are working in renewable energy sector.

Important Dates

Last date of Registration (Online platform):	21 st Nov 2022
Date of Training:	28 th Nov – 1 st Dec, 2022

Training Fees (per participant)

Rs 12000 +18% GST (= Rs 14,160/-)*

*Training fee includes access to all the sessions, accommodation, food charges, field visit charges etc.

How to apply

The applications are invited in **Online Mode** only. The interested candidates may need to fill the Google Form and upload the payment details along with the application.

Participants are requested to make the payment through online mode only (RTGS/NEFT/Net banking):

Account details are as follows:

ACCOUNT HOLDER NAME	SARDAR SWARAN SINGH NATIONAL INSTITUTE OF RENEWABLE ENERGY (SSS NIRE)
ACCOUNT TYPE	SAVING ACCOUNT
BANK NAME	CANARA BANK, NIT JALANDHAR BRANCH
ACCOUNT NO	2945101004798
IFSC Code :-	CNRB0002945

Terms and Conditions for the training programme

- The registration fees is non refundable.
- Accommodation will be on first come first serve basis and subject to the availability.
- Only participants (no accompanied person) will be allowed for accommodation and training
- No travelling allowance will be paid for reaching the programme venue.
- The participants will have to be regular and punctual, during the training period.
- Attendance is compulsory and certificate will be issued on successful completion of training programme subject to 100% attendance.
- In the event of any disputes arising, the decision of Director General, SSS-NIBE is final and is binding on the participants

Contact Details

For queries related to training programme, you may contact

- a) Dr. Nikhil Gakkhar, Scientist C, SSS-NIBE
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