

Exchange Programme on Rice Straw Biogas Technology and its Implementation

Background

The Ministry of New and Renewable Energy (MNRE) has been supporting programmes for promoting biogas as a clean fuel for domestic cooking, off-grid and grid power generation and bio-CNG for transport applications. Biogas generation from agriculture waste is also emerging as potential area not only for biogas generation but also as climate change concerns in view of recent environmental risk due to burning of paddy straw in the farms of Haryana and Punjab states. Thus, there is a strong need to take up research and development initiatives for technology development and demonstration to integrate biogas technology for biogas generation for various applications and biofertilizer for sustainable energy and agriculture development. Biogas technology development and validation in integrated manner need to be addressed to make the biogas technology as potential source of energy and sustainable agriculture development.

Objectives

The main objective of the exchange programme is to facilitate technical exchange, knowledge and technology transfer sharing between the participants from both the sides. The participants will learn from each other about the developments in the Indian RICE STRAW to BIOCNG initiative and debate possible technical solutions to resolve issues related to pre-processing of rice straw, digester plant design and operation and maintenance of such plants.

5th May, 2021 - 11.00 To 13.30 CET / 14.30 to 16.30 IST – WEBINAR

10 minutes	Welcome Mr. Dinesh Jagdale - Joint Secretary - Ministry of New and Renewable Energy, Government of India Director General - Swaran Singh National Institute of Bio-Energy, Punjab
15 minutes	Technical challenges in setting up large scale Rice Straw based BioGas projects. Mr. Gaurav Kedia , Chairman, Indian Biogas Association
15 minutes	Rice Straw based Bio-CNG in India – Status Quo Mr. Srinivas Kasulla – Director, Arka Brenstech Private Limited.
15 minutes	Processing Rice Straw - Technical Challenges and Biological Processes - Dr. Sachin Kumar , Dy. Director, Scientist-C, Swaran Singh National Institute of Bio-Energy, Punjab
15 minutes	Technical options for Pre-Treatment of Rice straw Mr. Lars Weiss , Sales Engineer, Tietjen Verfahrenstechnik GmbH
15 minutes	TNV Semi-Dry AD Treatment of Rice Straw Dr. Robert Lackner , Sr. Sales Manager, Thöni Environmental Energy Engineering
60 minutes	How can Indo- German cooperation work? Panel discussion Q&A Moderator – Mr. Brijesh Patel , Head of working Group – India at German RETech Partnership. e.V



The roundtable is organised by German RETech Partnership e. V with the support of Sardar Swaran Singh National Institute of Bio-Energy, Punjab.

About Sardar Swaran Singh National Institute of Bio-Energy (SSS-NIBE)

Sardar Swaran Singh National Institute of Bio-Energy 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 is well connected both by railways and roadways with the nearest airport at Amritsar.

About German RETech Partnership e.V

German RETech Partnership is the network of German companies and institutions in the waste management and recycling industry for the export of innovative technologies and the transfer of know-how. RETech consolidates companies and institutions from the entire area of the waste management and recycling industry from collection and logistics to treatment and marketing as well as consultation, planning, research and teaching under one roof. The RETech activities are supported by an advisory body in which the BMU, the BMBF, the BMWi and BMZ, UBA, GIZ, KfW as well as the BDE associations, the bvse, VKU, VAK and VDMA cooperate. Due to this network the RETech platform provides a unique opportunity for supporting the establishment of a well-ordered waste management industry, improving the requirements significantly for the export of German waste management and recycling technology.

Registration – For registration please send your request to brijesh.patel@retech-germany.net or sachin.biotech@gmail.com