



Training Programme on

Sustainable Energy Security through various Biofuels Production

28 December 2023 | 0930 Hrs to 1630 Hrs

Program Objective

Introduce the participants to the various policies on bio-fuels - Biogas, Bio-Ethanol & Sustainable Aviation Fuel, incentives offered by government, benefits associated with using bio-fuels, pathways for the production of biofuels from various feedstocks, by-products generated and the challenges associated with the setting up of this production facilities.

Contents

- Introduction to Bio-Fuels – Bio-Gas, Bio-Ethanol, Sustainable Aviation Fuel – Global Demand, Benefits, Government and Other Policies, Incentive Schemes
- **Bio-Ethanol:**
 - ✓ Different production pathways
 - ✓ Steps for the production
 - ✓ Advantages of blending in MS and Diesel
 - ✓ Feedstocks for producing 1G and 2G bio-ethanol
 - ✓ Different by-products generated from different technology
 - ✓ Challenges in setting up of plants along with suggested mitigation.
- **Bio-Gas:**
 - ✓ Feedstocks for production of bio-gas and typical yields
 - ✓ Dispatch modes
 - ✓ By-products
 - ✓ Processing steps for various technologies and major equipments involved.
 - ✓ Major equipments & Challenges associated in setting up plants along with suggested mitigation.
- **Sustainable Aviation Fuel (SAF)**
 - ✓ Feed stock for SAF and its availability.
 - ✓ Different processes for production of (SAF), by-products generated, technologies available and major equipments involved.
 - ✓ Comparison of SAF with ATF.
 - ✓ Challenges in setting up plants along with suggested mitigation.

Who may attend

Person associated with design & operation of facilities for production & utilization of CNG, MS & ATF along with facilities for blending of Biofuels in the same, persons associated with design and/or engineering of Biofuels (Biogas, Bio-ethanol & SAF) production facilities.

EIL's strength in the area

EIL has performed multiple feasibility studies on Biofuels and is involved in execution of biggest Bio-ethanol and first of its kind Bamboo based Plant in the country.



Faculty



Ms Amarjeet Kaur
GENERAL MANAGER
(PROCESS 2)



Ms Shreyashree Dutta
Assistant General Manager
(Process 2)



Mr. Subimal Jana
Assistant General Manager
(Research & Development))

Programme fee for the participants

PROGRAMME REGISTRATION FEE (ONLINE MODE)	PROGRAMME REGISTRATION FEE (OFFLINE MODE)	PROGRAMME REGISTRATION FEE (RESIDENTIAL MODE)#
For nominations > 5 No: INR 12,000 + 18% GST (INR 2,160) = INR 14,160 per delegate For nominations: 3-5 No: INR 13,000 + 18% GST (INR 2,340) = INR 15,340 per delegate For nominations < 3 No: INR 14,000 + 18% GST (INR 2,520) = INR 16,520 per delegate	For nominations > 5 No: INR 13,000 + 18% GST (INR 2,340) = INR 15,340 per delegate For nominations: 3-5 No: INR 14,000 + 18% GST (INR 2,520) = INR 16,520 per delegate For nominations < 3 No: INR 15,000 + 18% GST (INR 2,700) = INR 17,700 per delegate	For nominations > 5 No: INR 14,500 + 18% GST (INR 2,610) = INR 17,110 per delegate For nominations: 3-5 No: INR 15,500 + 18% GST (INR 2790) = INR 18,290 per delegate For nominations < 3 No: INR 16,500 + 18% GST (INR 2,970) = INR 19,470 per delegate

Payment of Programme should be made by NEFT transfer as per details below :

Name	ENGINEERS INDIA LIMITED (EIL)
Registered Office Address of EIL	Engineers India Bhavan, 1, Bhikaji Cama Place, R.K.Puram, New Delhi-110066
Office Address	EIL Office Complex, Sector 16 (Nh8), Gurugram – 122001 , Haryana
PAN Number	AAACE5318C
Name of the Bank & Address	State Bank of India , Mehrauli Road, M.G. Road , Gurugram,Haryana-122001
Branch Code	01565
Current Account Number	35776275270
IFSC/RTGS Code	SBIN0001565
MICR Code	110002190

The residential mode will include stay and hospitality at EIL Guest House at Gurugram on first cum first serve basis (subject to availability). The organizations interested in availing residential facility may kindly provide email confirmation atleast 3 days before the commencement of the program.

CORRESPONDENCE

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