



KAMARAJ IAS ACADEMY
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PM JI-VAN Yojana

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Why is in news? Government had notified the “Pradhan Mantri JI-VAN (Jaiv Indhan- Vatavaran Anukool fasal awashesh Nivaran) Yojana”

In **March 2019**, Government had notified the “Pradhan Mantri JI-VAN (Jaiv Indhan- Vatavaran Anukool fasal awashesh Nivaran) Yojana” for **providing financial support to integrated bio-ethanol projects** for setting up **Second Generation (2G) ethanol projects** in the country using lignocellulosic biomass and other renewable feedstocks.

The total financial outlay for the scheme is Rs. 1969.50 crore for the period 2018-19 to 2023-24.

About the Scheme:

Pradhan Mantri JI-VAN (Jaiv Indhan- Vatavaran Anukool fasal awashesh Nivaran) Yojana aims to **provide financial support to Integrated Bioethanol Projects** using **lignocellulosic biomass and other renewable feedstock**.

Implementation Agency: Centre for High Technology (CHT), a **technical body** under the aegis of **Ministry of Petroleum and Natural Gas (MoP&NG)**.

Under this Yojana, **12 Commercial Scale and 10 demonstration scale** Second Generation (2G) ethanol Projects will be provided a Viability Gap Funding (VGF) support in two phases.

Under the PM JI-VAN Yojana, the **maximum financial assistance of Rs.150 crore per project for commercial projects** and **Rs.15 crore per project for demonstration projects** has been prescribed for enhancing commercial viability as well as promoting R&D for development and adoption of technologies in the field of production of 2G ethanol.

Objectives:

Establish commercially viable projects for 2G Ethanol production.

Provide remunerative income to farmers for their otherwise waste agriculture residues.

Address concerns of environmental pollution caused by burning of biomass/ agriculture residues. d

Help in meeting the targets envisaged in Ethanol Blended Petrol (EBP) programme promoted by Government of India & Government of India vision of 10% reduction in import dependence by way of reducing the use of fossil fuels.

To create rural & urban employment opportunities.

To contribute to Swachh Bharat Mission by supporting the aggregation of non-food biofuel feedstocks such as waste biomass and urban waste.

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Indigenisation of second generation biomass to ethanol technologies.

Benefits:

Meeting Government of India vision of reducing import dependence by way of substituting fossil fuels with Biofuels.

Achieving the **GHG emissions reduction targets** through progressive blending/ substitution of fossil fuels.

Addressing environment concerns caused due to burning of biomass/ crop residues & improve health of citizens.

Improving farmer income by providing them remunerative income for their otherwise waste agriculture residues.

Creating **rural & urban employment opportunities** in 2G Ethanol projects and Biomass supply chain.

Contributing to Swacch Bharat Mission by supporting the aggregation of nonfood biofuel feedstocks such as waste biomass and urban waste.

Indigenizing of Second Generation Biomass to Ethanol technologies.

Other steps taken to promote 2G Ethanol Plants:

imposition of additional excise duty on non-blended fuels;

off take assurance by OMCs for 15 years to private stakeholders by signing Ethanol Purchase Agreements (EPA);

diversification of feedstock for 2G ethanol production;

separate price for 2G ethanol, lowered GST rate to 5% on ethanol for EBP Programme; etc.