

LOK SABHA
UNSTARRED QUESTION No. 2614
TO BE ANSWERED ON 16th March, 2023

2G BIO-ETHANOL PROJECTS

2614. DR. PRITAM GOPINATHRAO MUNDE:
SHRI RAHUL RAMESH SHEWALE:
SHRI CHANDRA SEKHAR SAHU:
SHRI GIRISH BHALCHANDRA BAPAT:

पेट्रोलियम और प्राकृतिक गैस मंत्री

Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

- (a) the number of 2G bio-ethanol projects funded by the Union Government so far in various States in the country, particularly in Maharashtra and Odisha;
- (b) the quantum of assistance provided to various States during the year 2022-23, particularly in Maharashtra and Odisha;
- (c) whether assistance under the scheme can also be used for setting up a 2G ethanol project where there is a lack of one and if so, the details thereof; and
- (d) the criteria fixed for setting up of 2G ethanol project along with the details of the steps taken so far by the Union Government to set up more projects in Maharashtra and Odisha?

ANSWER

पेट्रोलियम और प्राकृतिक गैस मंत्रालय में राज्य मंत्री
(श्री रामेश्वर तेली)

MINISTER OF STATE IN THE MINISTRY OF PETROLEUM & NATURAL GAS

(SHRI RAMESWAR TELI)

(a) & (b): In March, 2019, Government had notified the “Pradhan Mantri JI-VAN (Jaiv Indhan - Vatavaran Anukool fasal awashesh Nivaran) Yojana” for providing financial support for setting up Second Generation (2G) ethanol projects in the country using lignocellulosic biomass and other renewable feedstock. The total financial outlay for the scheme is Rs. 1969.50 crore for the period from 2018-19 to 2023-24. Since commencement of PM JI-VAN Yojana, the following 2G projects have been approved:

Sl. No.	Entities	State	Project Type	Approved Financial Assistance (Rs. in Crores)
1.	IndianOil Corporation Ltd.	Haryana	Commercial	150
2.	Bharat Petroleum Corporation Ltd.	Odisha	Commercial	150
3.	Hindustan Petroleum Corporation Ltd.	Punjab	Commercial	150
4.	Numaligarh Refineries Limited	Assam	Commercial	150
5.	Mangalore Refinery and Petrochemicals Ltd *	Karnataka	Commercial	100
6.	Shell India Markets Pvt Ltd.*	Karnataka	Commercial	150
7.	IndianOil Corporation Ltd.	Haryana	Demonstration	15
8.	Hindustan Petroleum Corporation Ltd *	Bihar	Demonstration	15
9.	Chempolis India Pvt Ltd *	Punjab	Demonstration	15

* Approved in 2022-23.

(c): The 2G ethanol plants can be set up anywhere in India, including in Maharashtra and Odisha and assistance can be sought under the scheme after following due process including responding to 'Request for Selection (RFS)' floated by Centre for High Technology (CHT).

(d): The selection criteria for technical evaluation for setting up of 2G ethanol project under the PM JI-VAN Yojana is elucidated in **Annexure**.

ANNEXURE REFERRED TO IN REPLY TO PART (d) OF LOK SABHA UNSTARRED QUESTION No. 2614 FOR 16.03.2023 REGARDING 2G BIO-ETHANOL PROJECTS.

Selection criteria for technical evaluation for setting up of 2G ethanol project:

Commercial projects:

(i) Proposed Technology of the 2G Bio-ethanol Project Developers (PD) for Commercial projects should have been demonstrated at one fiftieth (1/50th) or higher Capacity, in India or elsewhere.

(ii) Operational data of three months (cumulative or continuous) duration of at least 50% capacity of demonstration/commercial plant OR one month (cumulative or continuous) duration for name-plate (100%) capacity of the demonstration/commercial plant of the proposed Technology for the project, needs to be shared with Scientific Advisory Committee (SAC) on Hydrocarbons of Ministry of Petroleum & Natural Gas at the time of invitation to RFS, for ascertaining the performance of Technology.

Demonstration projects ((Annual 2G ethanol generation capacity between 3.75 lakh litres to 11.25 lakh litres (Feedstock capacity - 5 TPD – 15 TPD)):

(i) Proposed Technology of the PD for Demonstration projects should have been demonstrated to convert biomass to ethanol at laboratory level.

(ii) Three months (continuous or cumulative) Operational data of the Proposed Technology needs to be shared with SAC at the time of invitation to RFS for ascertaining the performance of Technology.
