

LOK SABHA
UNSTARRED QUESTION NO. 2475
TO BE ANSWERED ON 3rd AUGUST, 2023

Natural Gas and Oil Reserves

2475. SHRI NIHAL CHAND:

पेट्रोलियम और प्राकृतिक गैस मंत्री

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

- (a) whether the Union Government is working on any scheme to identify the locations of natural gas and oil reserves in the country;
- (b) if so, whether any research regarding the availability of petroleum and natural gas reserves has been conducted in Rajasthan and if so, the details thereof;
- (c) the percentage of the petroleum products available in the country as per our requirement;
- (d) the percentage of oil and gas imported from foreign countries; and
- (e) the steps being taken by the Union Government to reduce the dependency on oil and gas import?

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): Hydrocarbon exploration is a continuous activity that *inter-alia* comprises seismic data acquisition, processing, interpretation, well drilling and other exploration activities (like Airborne Gravity Gradiometry, etc.). Various such exploratory activities are carried out, under the Hydrocarbon Exploration Licensing Policy (HELP), New Exploration Licensing Policy (NELP), Pre-NELP/Nomination Regimes, by National Oil Companies (NOCs) like Oil and Natural Gas Corporation (ONGC), Oil India Limited (OIL) and other private operators with whom the Government of India has signed Revenue Sharing Contracts (RSCs) and Production Sharing Contracts (PSCs). In addition, the Government of India has commissioned the following survey projects:

Sl. No.	Project Name
1	National Seismic Programme (NSP)
2	Deep Andaman Offshore project
3	Exclusive Economic Zones (EEZ) Survey (Offshore)
4	Airborne Gravity and Gradiometry (AGG) Survey

(b): Reserve figures for the year 2022-23 for the State of Rajasthan based on data received in Directorate General of Hydrocarbons (DGH) annually at the end of fiscal year from Exploration and Production companies working in the State are as under:

State	In-place		Reserves	
	Oil (MMT)	Gas (BCM)	Oil (MMT)	Gas (BCM)
Rajasthan	611.8	166.1	26.6	51.5

The In-place and Reserves are of 2P category (Proven reserves and Probable reserves).

MMT: Million Metric Tonne

BCM: Billion Cubic Meter

(c) and (d): The percentage of the petroleum products available in the country and the percentage of oil and gas imported from foreign countries are as under:

Sl. No.	Details	2020-2021	2021-2022	2022-23 (Provisional)
1.	Petroleum products availability in the country over domestic consumption since 2020-21 (in %).	113.2	114.3	112.1
2.	Percentage of oil and gas imported from foreign countries since 2020-21 (in %).	77.6	77.0	78.6

Source: PPAC

(e): The Government has taken various long/short term policy initiatives to increase domestic oil and gas production which inter-alia include:

1. Long term Policy initiatives:

- i. Discovered Small Field Policy, 2015.
- ii. Hydrocarbon Exploration and Licensing Policy, 2016.
- iii. Policy for early monetization of Coal Bed Methane 2017
- iv. Setting up of National Data Repository, 2017.
- v. Re-assessment of Hydrocarbon Resources 2017
- vi. Policy to Promote and Incentivize Enhanced Recovery Methods for Oil and Gas, 2018.
- vii. Policy framework for Exploration and exploitation of Coal Bed Methane (CBM) from areas under Coal Mining Lease allotted to Coal India Limited (CIL) and its subsidiaries 2018.
- viii. Policy Framework for Exploration and Exploitation of Unconventional Hydrocarbons under Existing Production Contracts and Nomination Fields, 2018.
- ix. Reforms in Hydrocarbon Exploration and Licensing Policy for enhancing domestic exploration and production of oil and gas 2019.

2. Short and medium term initiatives:

- i. Early Monetization of Existing Discoveries.
- ii. Improving Recovery Factor through implementation of Improved Oil Recovery (IOR) and Enhanced Oil Recovery (EOR) techniques.
- iii. Revival of sick wells.
- iv. Renewal of Facilities and other infrastructure.
- v. Monetization of small and marginal discoveries in onshore through service contract and outsourcing.
- vi. Redevelopment of existing matured fields and development of new fields/marginal fields.

vii. Induction of suitable technologies on selective fields.

Further, to reduce imports and improve energy security, the Government has adopted strategy comprising, promoting energy efficiency and conservation measures, giving thrust on demand substitution, promoting biofuels and other alternate fuels/ renewables, and refinery process improvements.
