

LOK SABHA
UNSTARRED QUESTION No. 840
TO BE ANSWERED ON 23rd July, 2026

CARBON CAPTURE, UTILISATION AND STORAGE INITIATIVES

840. SMT. MAHIMA KUMARI MEWAR:

SHRI RAMESH AWASTHI:

SHRI MUKESHKUMAR CHANDRAKAANT DALAL:

SHRI JANARDAN MISHRA :

पेट्रोलियम और प्राकृतिक गैस मंत्री

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

- (a) the details of progress made so far in the implementation of initiatives related to Carbon Capture, Utilisation and Storage (CCUS) in the petroleum and natural gas sector;
- (b) the details of the refineries and upstream projects identified for the implementation of pilot projects;
- (c) the details of incentives and regulatory framework proposed by the Government to encourage private investment in CCUS technologies; and
- (d) the quantum of contribution expected from CCUS in meeting India's climate commitments?

ANSWER

पेट्रोलियम और प्राकृतिक गैस मंत्रालय में राज्य मंत्री
(श्री सुरेश गोपी)

MINISTER OF STATE IN THE MINISTRY OF PETROLEUM & NATURAL GAS
(SHRI SURESH GOPI)

(a) to (d) : The Ministry of Power is the nodal Ministry for the Carbon Capture, Utilisation and Storage (CCUS) programme. Various Public Sector Undertakings (PSUs) in the oil and gas sector are undertaking pilot projects and techno-economic feasibility studies for the deployment of CCUS technologies across the States of Assam, Gujarat, Haryana, Odisha, Maharashtra, Andhra Pradesh and Tamil Nadu. These projects cover diverse applications, including Enhanced Oil Recovery (EOR), production of chemicals, dry ice for the beverage industry etc. As part of these initiatives, Bharat Petroleum Corporation Limited (BPCL) is establishing a CO₂ capture demonstration unit at the Bina Refinery. Further, the 72 tonnes per day (TPD) CO₂ capture demonstration plant at HPCL's Visakh Refinery has achieved mechanical completion. The captured CO₂ is proposed to be utilized for the production of beverages.

In line with the CCUS Roadmap launched in December 2025, an outlay of INR 20,000 crore has been proposed over a period of five years in the Union Budget 2026–27 for the development and deployment of CCUS technologies.
