

LOK SABHA
UNSTARRED QUESTION NO. 3285
TO BE ANSWERED ON 20 March, 2025

Hydrocarbon Exploration Projects in Andhra Pradesh

3285: SHRI MAGUNTA SREENIVASULU REDDY:

पेट्रोलियम एवं प्राकृतिक गैस मंत्री

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

- (a) whether the Government has implemented any hydrocarbon exploration projects during the last five years and the current year across the country, State/UT-wise;
- (b) if so, the details thereof along with the list of schemes / programs / initiatives undertaken by the Government to increase the exploration of hydrocarbons in the country and the status of their implementation during the last five years and the current year, year-wise;
- (c) the details regarding the hydrocarbon reserves at present in the country, State/UT-wise especially in Andhra Pradesh along with the reserves that have been discovered during the last five years and the current year, year-wise;
- (d) the details regarding the total amount of funds allocated, released and utilized during the last five years and the current year, year, scheme/program and State/UT-wise, especially in Andhra Pradesh; and
- (e) whether the Government has undertaken any steps to increase skilling and training of individuals to improve and assist for the exploration of hydrocarbon reserves in the country and if so, the details thereof?

ANSWER

पेट्रोलियम और प्राकृतिक गैस मंत्रालय में राज्यमंत्री

(श्री सुरेश गोपी)

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

(a) to (e): Hydrocarbon Exploration projects are implemented by entities, both public and private, as per the contractual agreement with the Government. No expenditure is incurred by the Government on exploration projects. These projects are undertaken by contractors at their own

risk. During the last five years (2019 onwards) the Government has awarded 89 blocks under Open Acreages Licensing Policy (OALP) bidding rounds and 07 blocks under Special Coal Bed Methane Bid Rounds. State-wise list of hydrocarbon exploration projects implemented is at **Annexure-I**. The Government has undertaken various policy and technological initiatives to enable National Oil Companies (NOCs) and other operators to discover new potential sources of crude oil and natural gas as well as to reopen closed oil/gas wells. These, inter-alia, include:

- i. Natural Gas Marketing Reforms, 2020.
- ii. Hydrocarbon Exploration and Licensing Policy (HELP), 2019 facilitating lower Royalty Rates, zero Revenue Share (till Windfall Gain) and no drilling commitment in OALP Blocks under Category II and III basins.
- iii. Release of about 1 Million Sq. Km. (SKM) ‘No-Go’ area in offshore in 2022 which were blocked for exploration.
- iv. Government is also spending about Rs.7500 Cr. for acquisition of seismic data and drilling of stratigraphic wells to make quality data of Indian Sedimentary Basins available to bidders. Government has also approved acquisition of additional 2D Seismic data of 20,000 LKM in onland and 30,000 LKM in offshore beyond Exclusive Economic Zone (EEZ) of India.
- v. Further, Government has approved 20% premium over Administered Price Mechanism (APM) price for gas production obtained from new wells or well interventions in Nomination fields which has led to 2280 well interventions across the country.

Over the last five years, Government has completed 4 schemes for data acquisition of the sedimentary basins of India and storage on the National Data Repository and currently 2 schemes are ongoing schemes. The details of these data acquisition schemes, year wise, state wise, status and details of funds is attached at **Annexure II**.

The details of hydrocarbon reserves present in India, State / UT-wise including in the State of Andhra, are as mentioned below:

Country Reserves as on 01.04.2024[#]		
Location / State	2P Reserves – Oil (MMT)	2P Reserves – Gas (BCM)
Offshore	202.72	365.59
Eastern Offshore	32.24	136.04
Western Offshore	170.49	229.55
Onland	231.59	277.83
Arunachal Pradesh	2.33	0.00
Assam	104.07	73.93
Gujarat	92.58	36.47

Country Reserves as on 01.04.2024[#]		
Location / State	2P Reserves – Oil (MMT)	2P Reserves – Gas (BCM)
Madhya Pradesh	0.00	23.74
Rajasthan	23.40	49.46
West Bengal	0.02	29.62
Mizoram	0.00	0.00
Nagaland	0.00	0.00
Tripura	0.07	16.46
Tamil Nadu	5.80	23.24
Andhra Pradesh	3.32	20.82
Jharkhand	0.00	4.11
Grand Total	434.31	643.43

[#]: as reported annually in the Petroleum Resources Management System (PRMS) Standard.

The details of year wise reserve accretion of Oil and Gas is as under:

FY	Oil	Gas
	2P Reserve Accretion (Oil) (MMT)	2P Reserve Accretion (BCM)
2018-19	58.01	106.68
2019-20	33.71	40.31
2020-21	11.98	30.25
2021-22	19.75	21.39
2022-23	27.46	40.63
2023-24	14.2	35.6

Source: Directorate General of Hydrocarbons

Oil and Natural Gas Corporation Limited (ONGC) has taken several measures to increase skilling and training of individuals to improve and assist in the exploration of hydrocarbons reserves in India through its institutes like ONGC Academy, Geodata Processing and Interpretation Centre (GEOPIC), Dehradun and Keshava Deva Malviya Institute of Petroleum Exploration (KDMIPE) on various dynamic topics like 'Basic

concepts of Seismic Data Processing and Interpretation', 'Application of AI/ML in Exploration', 'Well Logging Technique and Formation Evaluation'. 'Role of Geochemistry in Petroleum Exploration' etc.

Oil India Limited (OIL) has a dedicated learning institute to impart regular trainings on several areas pertaining to exploration and development of Hydrocarbon reserves such as Reservoir Management, Drilling Optimization, Production Enhancement, Seismic Data Processing and Interpretation and various important programs. Moreover, OIL has tie-ups with renowned institutes/ organizations for skill enhancement of their employees.

State / UT-wise details of OALP and CBM Blocks awarded year-wise

State	OALP		CBM	
	Block	Year of Award	Block	Year of Award
Andhra Pradesh	KG-ONHP-2018/1	2019	Nil	Nil
	KG-ONHP-2018/2	2019		
	CD-ONHP-2020/1	2022		
Assam	AA-ONHP-2018/1	2019	Nil	Nil
	AA-ONHP-2018/3	2019		
	AA-ONHP-2019/1	2020		
	AA-ONHP-2019/2	2020		
	AS-ONHP-2021/1	2022		
	AS-ONHP-2021/2	2022		
	AS-ONHP-2021/3	2022		
	AS-ONHP-2022/1	2024		
Bihar	GV-ONHP-2021/1	2022	Nil	Nil
	GV-ONHP-2021/2	2022		
Chhattisgarh	Nil	Nil	SR(ONHP)-CBM-2021/6	2022
			SR-ONHP(CBM)-2022/6	2024
Gujarat	CB-ONHP-2018/1	2019	Nil	Nil
	CB-ONHP-2018/2	2019		
	CB-ONHP-2018/3	2019		
	CB-ONHP-2018/4	2019		
	CB-ONHP-2019/1	2020		
	CB-ONHP-2019/2	2020		
	GK-ONHP-2019/1	2020		
Gujarat	CB-ONHP-2020/1	2022	Nil	Nil
	CB-ONHP-2021/1	2022		
	CB-ONHP-2021/2	2022		
	GK-ONHP-2021/1	2022		
	GS-ONHP-2021/1	2022		
	CB-ONHP-2022/1	2024		

State	OALP		CBM	
	Block	Year of Award	Block	Year of Award
Jharkhand	Nil	Nil	BP(ONHP)-CBM-2021/2	2022
Madhya Pradesh	VN-ONHP-2019/1	2020	SR(ONHP)-CBM-2021/5	2022
	VN-ONHP-2019/2	2020	SP(ONHP)-CBM-2021/1	2022
	VN-ONHP-2019/3	2020	SR-ONHP(CBM)-2022/4	2024
	VN-ONHP-2019/4	2020	SR-ONHP(CBM)-2022/5	2024
	VN-ONHP-2019/5	2020		
	SR-ONHP-2021/1	2022		
Maharashtra	NM-ONHP-2020/1	2022	Nil	Nil
Nagaland	AA-ONHP-2018/2	2019	Nil	Nil
Odisha	MN-ONHP-2018/1	2019	Nil	Nil
	MN-ONHP-2018/2	2019		
	MN-ONHP-2018/3	2019		
	MN-ONHP-2018/4	2019		
	MN-ONHP-2018/5	2019		
Rajasthan	RJ-ONHP-2018/1	2019	Nil	Nil
	RJ-ONHP-2018/2	2019		
	RJ-ONHP-2019/1	2020		
	RJ-ONHP-2019/2	2020		
	RJ-ONHP-2019/3	2020		
	RJ-ONHP-2021/1	2022		
Tamil Nadu	CY-ONHP-2018/1	2019	Nil	Nil
	CY-ONHP-2018/2	2019		
Tamil Nadu	CY-ONHP-2018/3	2019	Nil	Nil
Tripura	AA-ONHP-2018/4	2019	Nil	Nil
	AA-ONHP-2018/5	2019		
	AA-ONHP-2020/1	2022		
	AA-ONHP-2020/2	2022		
	AA-ONHP-2020/3	2022		
	AA-ONHP-2021/1	2022		
	AA-ONHP-2021/2	2022		
West Bengal	BP-ONHP-2018/1	2019	Nil	Nil
	BP-ONHP-2019/1	2020		
	BP-ONHP-2019/2	2020		
	BP-ONHP-2021/1	2022		
Offshore	AN-OSHP-2018/1	2019	Nil	Nil

State	OALP		CBM	
	Block	Year of Award	Block	Year of Award
State	AN-OSHP-2018/2	2019		
	GK-OSHP-2018/1	2019		
	GK-OSHP-2018/2	2019		
	KG-UDWHP-2018/1	2019		
	MN-OSHP-2018/1	2019		
	KK-OSHP-2018/1	2019		
	MB-OSHP-2018/1	2019		
	MB-OSHP-2018/2	2019		
	MN-DWHP-2018/1	2019		
	CY-UDWHP-2019/1	2020		
	GS-OSHP-2019/1	2020		
	MB-OSHP-2019/1	2020		
	MB-OSHP-2020/1	2022		
	MB-OSHP-2020/2	2022		
	AN-UDWHP-2020/1	2022		
	Offshore	AN-UDWHP-2020/2		
	CB-OSHP-2021/1	2022		
	MB-OSHP-2021/1	2022		
	CB-OSHP-2021/2	2022		
	CY-UDWHP-2021/1	2022		
	CB-OSHP-2021/3	2022		
	KG-UDWHP-2022/1	2024		
	MB-OSHP-2022/1	2024		
	GK-OSHP-2022/1	2024		
	GS-DWHP-2022/1	2024		
	MN-UDWHP-2022/1	2024		
	BP-OSHP-2022/1	2024		
	KK-DWHP-2022/1	2024		
	KK-OSHP-2022/1	2024		

Annexure-II

Survey/Activity	Start Period	Completion Period	Total Quantum of Data	Current Status/ Remarks	Actual Cost Incurred/ Sanctioned (in Crore INR)
National Seismic Programme (NSP)	FY: 2017-2018	April, 2022	46,960 LKM	Completed	2052
Airborne Gravity Gradiometry Survey (AGG & GM)	FY:2023-2024	May, 2024	42,944 Flight LKM 2D Seismic Data	Completed	49.55
Andaman Offshore Project	FY: 2021-2022	March, 2023	22,555 LKM 2D Seismic Data	Completed	199
EEZ Survey	FY: 2022-2023	June, 2024	79,540 LKM 2D Seismic Data	Completed	863.64
Mission Anveshan	October 2024	FY 2025-2026	Acquired 1833.36 LKM till 28.02.2025	Ongoing	792 (Sanctioned Cost)#
Extended Continental Shelf	November 2024	FY 2025-2026	Acquired 16989.65 LKM till 28.02.2025	Ongoing	492 (Sanctioned Cost)#

The released and utilized amount is NIL as on date.