

LOK SABHA  
UNSTARRED QUESTION NO.3670  
TO BE ANSWERED ON 8<sup>TH</sup> AUGUST, 2016

**ENERGY TIES WITH USA / GULF COUNTRIES**

3670. DR. SUNIL BALIRAM GAIKWAD:

SHRI S.R. VIJAYAKUMAR:

SHRI T. RADHAKRISHNAN:

SHRI ANURAG SINGH THAKUR:

SHRI ASHOK SHANKARRAO CHAVAN:

SHRI GAJANAN KIRTIKAR:

SHRI JOSE K. MANI:

DR. C. GOPALAKRISHNAN:

DR. RAVINDRA KUMAR RAY:

Will the Minister of Petroleum and Natural Gas be pleased to state:

- a) whether the Government proposes to invest in hydrocarbon sector in the United States of America (USA) and gulf countries and has also signed an agreement/Memorandum of Understanding (MoU) in this regard to enhance institutional and technical cooperation in energy sector;
- b) if so, the details thereof along with the salient features of the said agreement and the steps taken to develop conventional/unconventional hydrocarbon reserves in the country as well as in USA;
- c) the amount invested/proposed to be invested therein and quantum of crude oil imported from these oil fields to reduce the dependency on oil and gas imports from various countries including USA and Gulf countries, country/company-wise; and
- d) the details of oil and gas blocks acquired by upstream/ downstream companies including value of assets abroad along with status of commercial production and quantum of oil and gas produced from these oil and gas blocks, company/country/block/value- wise?

**ANSWER**

MINISTER OF STATE (INDEPENDENT CHARGE) IN THE MINISTRY OF PETROLEUM AND NATURAL GAS (SHRI DHARMENDRA PRADHAN)

- (a) & (b) While, presently, there are no proposals with the Ministry for making investments in hydrocarbon assets in the USA and in Gulf countries, Indian PSUs have hydrocarbon assets in several countries, including in the USA. In Gulf countries, Indian PSUs do not have any hydrocarbon asset, except an exploration block in Iraq. However, the PSUs seek opportunities for participation in development of oil & gas assets in the Gulf countries where International Oil Companies are allowed to bid.

India renewed an MoU with the USA on 6 June 2016 for Cooperation in the field of Gas Hydrates. Under the MoU, both governments will continue to cooperate in field of gas hydrates, including increasing understanding of their geologic occurrence and working on developing methane from gas hydrates both in India and the United States, through exchange of information and scientific personnel and joint studies. India has also signed an MoU with the USA on exploration and exploitation of Shale Gas. The MoU provides for Shale gas resource assessment, technical Studies of production capability, economics and investment potential of shale gas resource in India.

Among Indian PSUs, ONGC Videsh Ltd (OVL) has entered into an MoU with Kuwait Foreign Petroleum Exploration Company KSC to foster cooperation in upstream oil and gas exploration and production projects in India and other countries, on 8th March, 2013. OVL has also entered into an MoU with Mubadala Petroleum of UAE for collaboration in the potential areas of upstream oil and gas exploration, development and production projects and LNG opportunities, on 29th September, 2014.

- (c) & (d) ONGC Videsh, which is a subsidiary of ONGC, involved in acquiring oil and gas assets abroad, has invested approximately US \$ 25.13 billion, Bharat Petro Resources Ltd and Oil India Ltd have each invested approximately US \$ 1.5 billion, Indian Oil Corporation Ltd has invested approximately US \$ 1.11 billion and Hindustan Petroleum Corporation Ltd has invested approximately US \$ 102 million. The details of oil and gas blocks acquired by Indian PSUs is placed at Annexure-I. The acquisition of assets abroad and whether to bring the oil and gas so acquired to India or to sell them in the international market is a commercial decision.

**OVERSEAS PROJECTS/ASSETS**

Sl. No.	Country	Name of the Project	Participating Companies and their Share	Status of Commercial Production (IOCL) in Boe/d	Status of Commercial Production (OIL) in BOPD	Status of Commercial Production (OVL) in MMTOE
1.	Vietnam	Block 06.1, Offshore	ONGC Videsh-45% TNK-35% (Operator) Petrovietnam-20%	NA	NA	1.688
		Block 128, Offshore	ONGC Videsh- 100%	NA	NA	NA
2.	Russia	Sakhalin-1, Offshore	ONGC Videsh – 20% Exxon Mobil –30% (Operator) Sodeco – 30% SMNG – 11.5% RN Astra – 8.5%	NA	NA	2.330
		Imperial Energy, Russia	ONGC Videsh-100%	NA	NA	0.335
		Vankorneft	ONGC Videsh 15%	NA	NA	4.53
		License 61	OIL: 50% Petroneft: 50%	NA	1085	NA
3.	Sudan	GNPOC, Block 1, 2 & 4, Sudan	ONGC Videsh – 25% CNPC – 40% Petronas – 30% Sudapet – 5% (Jointly Operated)	NA	NA	0.627
		Khartoum-Port Sudan Pipeline (741 Km), Sudan	ONGC Videsh-90% (Operator) OIL-10%	NA	NA	NA
4.	South Sudan	GPOC, Block 1, 2 & 4, South Sudan	ONGC Videsh – 25% CNPC – 40% Petronas – 30% Nilepet – 5% (Jointly Operated)	NA	NA	NA
		SPOC/Block 5A, South Sudan	ONGC Videsh– 24.125% Petronas–67.875% Nilepet – 8% (Jointly Operated)	NA	NA	NA
5.	Myanmar	Block A-1, Myanmar	ONGC Videsh – 17% Daewoo–51% (Operator) KOGAS – 8.5% GAIL – 8.5% MOGE – 15%	NA	NA	0.891
		Block A-3, Myanmar	ONGC Videsh – 17% Daewoo–51%	NA	NA	

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			(Operator) KOGAS – 8.5% GAIL – 8.5% MOGE – 15%			
		Shwe Offshore Mid-Stream Project, Myanmar	ONGC Videsh – 17% Daewoo–51% (Operator) KOGAS – 8.5% GAIL – 8.5% MOGE – 15%	NA	NA	NA
		Onshore Gas Transportation Pipeline, Myanmar	ONGC Videsh – 8.347% CNPC-SEAP – 50.9% (Operator) Daewoo - 25.041% GAIL - 4.1735% KOGAS - 4.1735% MOGE - 7.365%	NA	NA	NA
		Block B-2,	ONGC Videsh - 97% (Operator) M&S - 3%	NA	NA	NA
		Block EP-3, Myanmar	ONGC Videsh - 97% (Operator) M&S - 3%	NA	NA	NA
6.	Mozambique	Rovuma Area-1	ONGC Videsh - 16% Anadarko - 26.5% (Operator) OIL - 4% ENH - 15% Mitsui - 20% BPRL - 10% PTTEP - 8.5%	NA	NA	NA
7	Iraq	Block 8, Iraq	ONGC Videsh - 100%	NA	NA	NA
8.	Iran	Farsi Offshore Block, Iran	ONGC Videsh – 40% (Operator) IOC – 40% OIL – 20%	NA	NA	NA
9.	Libya	Block 43, Libya	ONGC Videsh- 100%	NA	NA	NA
		Area 95-96	Sonatrach – 50% Indian Oil – 25% OIL – 25%	NA	NA	
10.	Syria	Block 24, Syria	ONGC Videsh – 60% IPR International – 25% (Operator) Tri Ocean Mediterranean – 15%	NA	NA	NA
		Al Furat	Himalaya Energy	NA	NA	NA

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		Petroleum Co., Syria	(Syria) B.V. – 33.33% to 37.5% Shell – 66.67% to 62.5% (Operator –Al Furat Petroleum Company)			
11.	Brazil	Block BM-SEAL-4, Brazil	ONGC Videsh-25% Petrobras -75% (Operator)	NA	NA	NA
		BC-10, Brazil, Offshore	ONGC Videsh - 27% Shell - 50% (Operator) Qatar Petroleum International - 23%	NA	NA	0.689
12.	Colombia	Mansarovar Energy Colombia Limited (MECL), Colombia	ONGC Videsh-25-50%, Sinopec-25-50% Ecopetrol-50% (Jointly Operated)	NA	NA	0.623
		Block RC-8, Colombia	ONGC Videsh – 40% (Operator) Ecopetrol - 40% Petrobras – 20%	NA	NA	NA
		Block RC-9, Colombia	ONGC Videsh – 50% Ecopetrol - 50% (Operator)	NA	NA	NA
		Block RC-10, Colombia	ONGC Videsh – 50% (Operator) Ecopetrol - 50%	NA	NA	NA
		Block LLA-69, Colombia	ONGC Videsh - 50% SIPC - 50% (Jointly Operated)	NA	NA	NA
		Block GUA OFF 2, Colombia	ONGC Videsh - 100%	NA	NA	NA
13	Venezuela	San Cristobal Project,	ONGC Videsh-40% PDVSA-60% (Jointly Operated)	NA	NA	0.649
		Carabobo-1 Project, Venezuela	ONGC Videsh – 11% IOC – 3.5% OIL – 3.5% Petronas – 11% PDVSA – 71% (Jointly Operated)	676.31	770	0.119
14	Kazakhstan	Satpayev Project, Kazakhstan	ONGC Videsh – 25% KMG – 75% (Operator)	NA	NA	NA
15.	Azerbaijan	ACG,	ONGC Videsh-	NA	NA	0.965

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		Azerbaijan	2.7213% BP-36% (Operator) SOCAR-12% Chevron-11% INPEX-11% Exxon-8% StatOil-8% TPAO-7% ITOCHU-4%			
		BTC Pipeline (1760 Km), Azerbaijan	ONGC Videsh-2.36% BP-30.1% (Operator) SOCAR-25% StatOil-8.71% TPAO-6.53% ITOCHU-3.4% Chevron-8.9% INPEX-2.5% ENI-5% TOTAL-5% Conoco Philips-2.5%	NA	NA	NA
16.	Bangladesh	Block SS4, Bangladesh	ONGC Videsh - 45% (Operator), OIL - 45% BAPEX - 10%	NA	NA	NA
		Block SS9, Bangladesh	ONGC Videsh - 45% (Operator), OIL - 45% BAPEX - 10%	NA	NA	NA
17.	New Zealand	Block-14TAR-R1,	ONGC Videsh - 100%	NA	NA	NA
18.	Indonesia	Nunukan Block	BPRL- 12.5% PT Pertamina Hulu Energy-35% (operator) PT Medico – 40% Videocon Indonesia - 12.5%	NA	NA	NA
19.	Australia	Block EP – 413 (onland)	BPRL- 27.803%	NA	NA	NA
20.	East Timor	Block JPDA 06-103	BPRL- 20%	NA	NA	NA
21.	USA	Niobrara Shale Oil/Condensate JV asset	Carrizo (Niobrara) LLC – 60% OIL - 20% Indian Oil – 10% Haimo Oil&Gas-10%	561	354	NA

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		Eagle Ford Shale acreage in Texas State	GAIL 20% PI  US \$ 246.02 million.	3,276.5 Mboe of shale gas		
22.	Canada	Pacific Northwest LNG Project	Progress Energy Canada Ltd. – 62% Sinopec – 15% Indian Oil – 10% Japex – 10% Petroleum Brunei – 3%	11,891.5	NA	NA
23.	Nigeria	OPL- 205 OML – 142	Summit Oil 30% Suntera Nigeria 205 Ltd – 70%* * Suntera 50%, Indian Oil 25%	NA	NA	NA
24.	Gabon	Shakthi	Old PSC: OIL – 45% Indian Oil – 45% Marvis Pte Ltd -10% New PSC: OIL – 50% Indian Oil – 50%	NA	NA	NA
25.	Yemen	82	Medco – 45% Kuwait Energy – 25% IOC- 15% OIL- 15%	NA	NA	NA