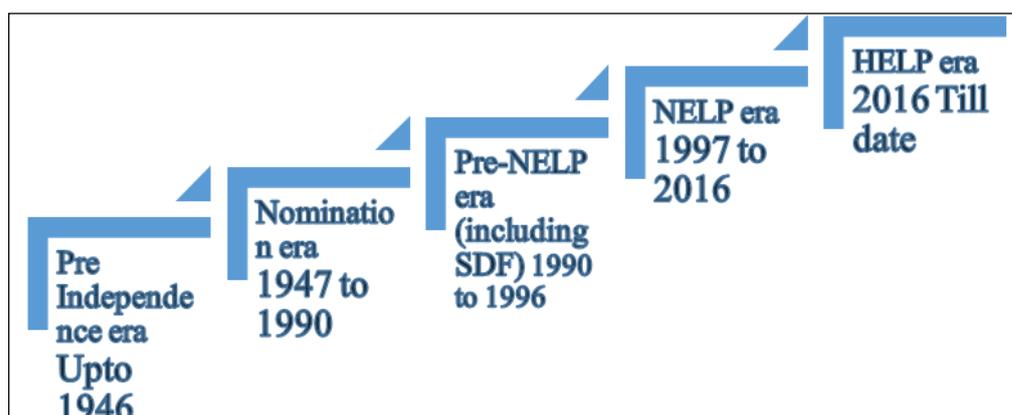


Annexure-A
(Reference para no. 5.2.1.1)

Indian Exploration and Production (E&P) activities of Oil and Natural Gas

India has 26 sedimentary basins with a basinal area of 31,34,700 sq. km. The Indian E&P scenario was primarily dominated by the two National Oil Companies viz. 'The Oil and Natural Gas Corporation Limited' (ONGC) and 'The Oil India Limited' (OIL). The following chart shows the various exploration and production regimes in India:

Chart: Exploration and Production regimes in India



The brief description of various regimes has been narrated below:

Nomination Blocks: Petroleum Exploration Licenses (PELs) and Petroleum Mining Leases (PMLs) were granted to ONGC and OIL on Nomination basis prior to implementation of New Exploration Licensing Policy (NELP).

Pre-NELP Small Discovered Fields (SDFs): PMLs were granted for small/ medium sized discovered field on Production Sharing Contracts (PSCs) during 1991-1993 where operators of the blocks were private companies and ONGC and OIL had participating interests.

Pre-NELP Exploration Blocks: Exploration blocks were awarded to private companies between 1990 and prior to implementation of NELP (1997) where ONGC and OIL had rights for participating in the blocks after hydrocarbon discoveries.

New Exploration Licensing Policy (NELP): The Government of India (GoI) formulated NELP in 1997 with Directorate General of Hydrocarbons (DGH) as a nodal agency. NELP became effective from February 1999. The main objective of NELP was to attract significant risk capital from Indian and Foreign companies, state of art technologies, new geological concepts and best management practices to explore Oil and Gas resources in the country to meet rising demands of Oil and Gas. Since NELP licenses for exploration are being awarded only through a competitive bidding system, National Oil Companies are required to compete on an equal footing with Indian and foreign companies to secure PELs. NELP provided a level playing field to both Public and Private sector companies in exploration and production of hydrocarbons.

Hydrocarbon Exploration Licensing Policy (HELP): GoI approved HELP on 10 March 2016, which is based on Revenue Sharing Contract (RSC) model. The model is envisaged to minimise regulatory burden for the sake of ease of doing business.

Annexure-B
(Reference para no. 5.2.1.2)

Table-1
Estimated Resources of Crude Oil and Natural Gas
(in Million Metric tonnes of Oil and Oil equivalent of gas)

Sl. No.	Basin	Offshore		Onshore		Total	
		Area (in sq. km.)	Estimated reserve	Area (in sq. km.)	Estimated reserve	Area (in sq. km.)	Estimated reserve
1	Cambay	0	0	53,500	2,050	53,500	2,050
2	Kutch	28,000	550	43,000	210	71,000	760
3	Saurashtra	28,000	280	52,000	0	80,000	280
	Total	56,000	830	1,48,500	2,260	2,04,500	3,090

(Source: National Data Repository, hosted by Director General of Hydrocarbons, Ministry of Petroleum and Natural Gas)

Table-2
Crude Oil Production during the period 2012-13 to 2017-18

(in thousand metric ton-TMT)

State/Region	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
(a) Onshore						
Andhra Pradesh	295	297	254	295	276	322
Arunachal Pradesh	121	111	76	57	55	50
Assam	4,863	4,710	4,466	4,185	4,203	4,342
Gujarat	5,331	5,061	4,653	4,459	4,605	4,591
Rajasthan	8,583	9,131	8,783	8,490	8,049	7,720
Tamil Nadu	238	226	240	255	284	345
Total (a) Onshore	19,431	19,536	18,472	17,741	17,472	17,370
(b) Total Offshore	16,230	16,330	17,419	17,759	17,029	16,676
Total (onshore and offshore)	35,661	35,866	35,891	35,500	34,501	34,046

Table-3
Natural Gas Production during the period 2012-13 to 2016-17

(in Million Metric Standard Cubic Meter- MMSCM)

State/Region	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18 ¹
(a) Onshore						
Andhra Pradesh	1,249	1,171	541	619	868	959
Arunachal Pradesh	41	41	34	30	28	30
Assam	2,910	2,868	2,958	3,025	3,128	3,219
Gujarat	2,032	1,657	1,527	1,490	1,580	1,607
Rajasthan	685	982	1,178	1,338	1,277	1,442
Tamil Nadu	1,206	1,304	1,192	1,011	983	1,207
Tripura	647	822	1,140	1,332	1,430	1,440
Others (Jharkhand, Madhya Pradesh, West Bengal)	107	165	228	392	564	735
Total (a) Onshore	8,877	9,010	8,798	9,237	9,858	10,639
(b) Offshore	31,802	26,395	24,861	23,012	22,038	22,011
Total (onshore and offshore)	40,679	35,405	33,659	32,249	31,896	32,650

(Source: Indian Petroleum and Natural Gas Statistics 2017-18, published by Economics and Statistics Division, Ministry of Petroleum and Natural Gas, Government of India)

¹ Provisional figures

Annexure-C
(Reference para no. 6.6.1.2)

Age wise pendency of arrears (Stamp Duty and Registration Fees) in respect of the selected DCs (SDVO)

(₹ in crore)

Office of the DC (SDVO)	Up to 5 years		5 - 10 years		10 - 15 years		15 - 20 years		Total	
	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount
Ahmedabad I	94	0.20	200	16.48	30	0.11	0	0	324	16.79
Ahmedabad II	1,780	7.79	0	0	0	0	0	0	1,780	7.79
Banaskantha	5,833	1.58	0	0	0	0	0	0	5,833	1.58
Devbhumi Dwarka	0	0	0	0	0	0	8,387	1.71	8,387	1.71
Kutch-Bhuj	7,252	5.46	142	0.73	0	0	0	0	7,394	6.19
Panchmahal ²	11	0.07	30	0.20	72	0.87	3,398	4.91	3,511	6.05
Porbandar	60	0.04	0	0	0	0	0	0	60	0.04
Rajkot I	1,311	3.50	125	0.17	0	0	0	0	1,436	3.67
Rajkot II	1,446	0.81	0	0	0	0	0	0	1,446	0.81
Surat I	10,383	19.43	0	0	0	0	0	0	10,383	19.43
Surat II	5,033	11.77	1,351	4.49	0	0	0	0	6,384	16.26
Sabarkantha ³	3,562	2.61	0	0	0	0	0	0	3,562	2.61
Vadodara I	129	0.56	0	0	0	0	0	0	129	0.56
Vadodara II	0	0	459	0.92	0	0	0	0	459	0.92
Valsad	0	0	1,481	1.36	0	0	0	0	1,481	1.36
Total	36,894	53.82	3,788	24.35	102	0.98	11,785	6.62	52,569	85.77

(Source: Information furnished by the office of SS)

² As per information furnished by the DC (SDVO) total number of cases pending for recovery as on 31 March 2017 were 8,047. However, the age-wise pendency was furnished in respect of 3,511 cases only.

³ As per information furnished by the DC (SDVO) total number of cases pending for recovery as on 31 March 2017 were 3,592. However, the age-wise pendency was furnished in respect of 3,562 cases only.

Annexure-D
(Reference para no. 6.6.2.1)

Age wise pendency of arrears in respect of RTO/ ARTOs

(₹ in crore)

Name of RTO/ ARTO	Up to 5 years		5-10 years		10-15 years		More than 15 years		Total	
	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount
Kutch- Bhuj	1,379	2.19	363	0.83	143	0.15	79	0.03	1,964	3.20
Panchmahal	637	3.81	70	0.94	0	0	0	0	707	4.75
Porbandar	256	1.91	0	0	0	0	0	0	256	1.91
Rajkot	0	0	533	1.90	766	1.98	113	0.66	1,412	4.54
Surat	10,549	8.66	112	0.44	0	0	0	0	10,661	9.10
Vadodara	51	0.38	60	0.71	68	0.61	379	2.40	558	4.10
Valsad	597	3.20	7	0.08	0	0	0	0	604	3.28
Total	13,469	20.15	1,145	4.90	977	2.74	571	3.09	16,162	30.88

(Source: Information furnished by the respective RTO/ ARTO)

Annexure-E

(Reference para no. 6.6.3.2)

Year wise analysis of the RRCs issued in respect of Geologists/ Assistant Geologists

(₹ in crore)

District	Prior 2012-13		2012-13		2013-14		2014-15		2015-16		2016-17		Total	
	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount	Cases	Amount
Ahmedabad	00	00	00	00	16	0.03	29	0.06	00	00	00	00	45	0.09
Banaskantha	68	1.58	00	00	00	00	00	00	00	00	00	00	68	1.58
Panchmahal	252	0.41	00	00	00	00	00	00	00	00	00	00	252	0.41
Porbandar	133	3.78	00	00	27	0.1	00	00	00	00	00	00	160	3.88
Rajkot	118	0.6	00	00	00	00	00	00	00	00	00	00	118	0.6
Sabarkantha	81	1.58	1	1.89	5	3.05	4	4.08	1	0.48	00	00	92	11.08
Surat	76	35.3	00	00	00	00	00	00	00	00	00	00	76	35.3
Vadodara	247	3.04	00	00	00	00	00	00	00	00	00	00	247	3.04
Total	975	46.29	1	1.89	48	3.18	33	4.14	1	0.48	00	00	1,058	55.98

(Source: Information furnished by the Geologist/ Assistant Geologists)

