



Environmental Resources and their Use

- ★ Stock & changes of mineral & energy resources
- ★ Production, trade & consumption of energy
- ★ Forest land & timber resources
- ★ Production of farm and livestock products
- ★ Consumption of fertilizers and water resources.

Table 2.01 : Mineral Reserves and Resources

Sl. No.	Minerals/ Metal	Unit	As on 01.04.2005				As on 01.04.2010				As on 01.04.2015			
			Reserves	Remaining Resources	Total Reserves	Reserves	Remaining Resources	Total Reserves	Reserves	Remaining Resources	Total Reserves	Reserves	Remaining Resources	Total Reserves
1	Alexandrite	-	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
2	Andalusite	'000 tonnes	0	18450	18450	-	18,450	18,450	0	28,201	28,201	0	28,201	28,201
3	Antimony													
	Ore	tonne	0	10588	10588	-	10,588	10,588	0	10,588	10,588	0	10,588	10,588
	Metal	tonne	0	174	174	-	174	174	0	174	174	0	174	174
4	Apatite	tonne	6145575	20719133	26864708	2,090,216	22,138,530	24,228,746	29,395	24,016,082	24,045,477	29,395	24,016,082	24,045,477
5	Asbestos	tonne	6040544	15695817	21736361	2,510,841	19,655,762	22,166,603	24,633	22,922,751	22,947,384	24,633	22,922,751	22,947,384
6	Ball clay	tonne	32529793	46761403	79291196	16,777,842	66,615,662	83,393,504	49,493,621	85,249,716	134,743,337	49,493,621	85,249,716	134,743,337
7	Barytes	tonne	34312780	39890567	74203347	31,584,128	41,149,746	72,733,874	51,346,825	35,323,825	86,670,650	51,346,825	35,323,825	86,670,650
8	Bauxite	'000 tonnes	899384	2390432	3289817	592,938	2,886,682	3,479,620	656,422	3,240,442	3,896,864	656,422	3,240,442	3,896,864
9	Bentonite	tonne	25060508	505512898	530573406	25,060,508	543,306,838	568,367,346	14,585,633	568,302,781	582,888,414	14,585,633	568,302,781	582,888,414
10	Borax	tonne	0	74204	74204	-	74,204	74,204	0	74,204	74,204	0	74,204	74,204
11	Calcite	tonne	6742030	15831937	22573967	2,664,338	18,281,110	20,945,448	3,448,867	19,555,082	23,003,949	3,448,867	19,555,082	23,003,949
12	Chalk	'000 tonnes				4,332	585	4,917	5,064	1,687	6,751	5,064	1,687	6,751
13	China clay	'000 tonnes	222121	2373540	2595661	177,158	2,528,049	2,705,207	229,469	2,711,777	2,941,247	229,469	2,711,777	2,941,247
14	Chromite	'000 tonnes	66128	146935	213063	53,970	149,376	203,346	102,210	241,806	344,016	102,210	241,806	344,016
15	Cobalt (Ore)	million tonnes	0	44.91	44.91	-	44.91	44.91	0	45	45	0	45	45
16	Copper													
	Ore	'000 tonnes	369493	1024934	1394427	394,372	1,164,086	1,558,458	207,767	1,303,730	1,511,498	207,767	1,303,730	1,511,498
	Metal	'000 tonnes	4383.97	7033.75	11417.72	4,768.33	7,518.34	12,286.67	2,734.62	9,423.53	12,158.15	2,734.62	9,423.53	12,158.15
17	Corundum	tonne	605	83190	83795	597	740,194	740,792	200	293,497	293,697	200	293,497	293,697
18	Diamond	carats	1205577	3376336	4581913	1,045,318	30,876,432	31,921,750	959,659	30,876,432	31,836,091	959,659	30,876,432	31,836,091
19	Diaspore	tonne	3125032	2212361	5337393	2,859,674	3,125,144	5,984,818	7,882,434	2,310,817	10,193,251	7,882,434	2,310,817	10,193,251
20	Diatomite	'000 tonnes	634	2251	2885	-	2,885	2,885	0	2,885	2,885	0	2,885	2,885
21	Dolomite	'000 tonnes	985156	6547952	7533108	738,185	6,992,372	7,730,557	677,884	7,737,007	8,414,891	677,884	7,737,007	8,414,891
22	Dunite	'000 tonnes	128074	39855	167929	17,137	168,232	185,369	12,768	175,049	187,818	12,768	175,049	187,818
23	Emerald	kilogram				N.E.	N.E.	N.E.	0	55,869	55,869	0	55,869	55,869

Contd.

Table 2.01 : Mineral Reserves and Resources

Sl. No.	Minerals/ Metal	Unit	As on 01.04.2005			As on 01.04.2010			As on 01.04.2015		
			Reserves	Remaining Resources	Total Reserves	Reserves	Remaining Resources	Total Reserves	Reserves	Remaining Resources	Total Reserves
24	Feldspar	tonne	38049836	52731827	90781663	44,503,240	87,832,212	132,335,452	319,841,612	313,725,741	633,567,353
25	Fire clay	'000 tonnes	59301	645462	704763	30,104	683,415	713,519	27,037	695,791	722,829
26	Fluorite	tonne	9213831	10951838	20165669	4,712,316	13,501,588	18,213,904	288,684	17,893,423	18,182,107
27	Fuller's Earth	tonne	58200	256593879	256652079	58,200	256,593,879	256,652,079	3,941,000	257,437,959	261,378,959
28	Garnet	tonne	20975605	36680028	57655633	19,324,793	37,638,032	56,962,824	12,783,856	43,377,166	56,161,022
29	Gold										
	Ore (Primary)	tonne	19253951	371035286	390289237	24,124,537	469,570,375	493,694,912	17,228,174	484,611,458	501,839,632
	Metal (Primary)	tonne	85.12	405.69	490.81	110.54	549.3	659.84	70.09	584.65	654.74
	Ore (Placer)	tonne	0	26121000	26121000	-	26,121,000	26,121,000	0	26,121,000	26,121,000
	Metal (Placer)	tonne	0	5.86	5.86	-	5.86	5.86	0	5.86	5.86
30	Granite (Dimen. stone)	000 cubic meter	1130024	36295977	37426001	263,692	45,966,608	46,230,300	263,692	46,056,098	46,319,790
31	Graphite	tonne	10750	158025	168775	8,031,864	166,817,781	174,849,645	7,960,793	186,925,987	194,886,779
32	Gypsum	'000 tonnes	68658	1168218	1236876	39,096	1,247,402	1,286,498	36,621	1,292,892	1,329,513
33	Iron Ore (Haematite)	'000 tonnes	7004168	7626219	14630387	8,093,546	9,788,551	17,882,097	5,421,751	17,065,214	22,486,965
34	Iron Ore (Magnetite)	'000 tonnes	58503	10560978	10619481	21,755	10,622,305	10,644,060	52,699	10,736,455	10,789,155
35	Kyanite	tonne	1374191	101239031	102613222	1,574,853	101,670,767	103,245,620	688,079	104,293,480	104,981,559
36	Laterite	'000 tonnes				24,714	446,119	470,833	124,733	581,819	706,552
37	Lead-Zinc										
	Ore	'000 tonnes	125754	396826	522580	108,980	576,615	685,595	106,116	643,343	749,459
	Lead Metal	'000 tonnes	2590.55	4616.7	7207.25	2,245.01	9,304.38	11,549.39	2,482.34	10,521.36	13,003.70
	Zinc Metal	'000 tonnes	11092.89	13166.79	24259.68	12,453.26	24,211.64	36,664.90	9,999.52	26,363.24	36,362.76
	Lead + Zinc Metal	'000 tonnes	0	118.45	118.45	0	118.45	118.45	0	143.13	143.13
38	Limestone	'000 tonnes	12715	162630	175345	14,926,392	170,008,720	184,935,112	16,335,753	186,888,998	203,224,752

Contd.

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Sl. No.	Minerals/ Metal	Unit	As on 01.04.2005			As on 01.04.2010			As on 01.04.2015		
			Reserves	Remaining Resources	Total Reserves	Reserves	Remaining Resources	Total Reserves	Reserves	Remaining Resources	Total Reserves
39	Magnetite	'000 tonnes	76133	261749	337882	41,950	293,222	335,172	82,276	311,711	393,988
40	Manganese Ore	'000 tonnes	138151	240418	378569	141,977	288,003	429,980	93,475	402,399	495,874
41	Marble	'000 tonnes	4700	1787938	1792638	276,495	1,654,968	1,931,463	4,551	1,941,341	1,945,891
42	Marl	tonne				139,976,150	11,704,870	151,681,020	123,855,856	11,704,870	135,560,726
43	Mica	kilogram	68569843	325285576	393855419	190,741,448	341,495,531	532,236,979	114,432,777	520,869,364	635,302,141
44	Molybdenum										
	Ore	tonne	1500000	17786732	19286732	-	19,286,732	19,286,732	0	19,371,698	19,371,698
	Contained MoS ₂	tonne	1050	11590	12640	-	12,640	12,640	0	12,668.37	12,668.37
45	Nickel Ore	million tonnes	0	188710	188710	-	189	189	0	189	189
46	Ochre	tonne	47867858	45573436	93441294	54,942,176	89,319,089	144,261,265	36,933,805	130,859,201	167,793,006
47	Perlite	'000 tonnes	504	1385	1889	428	1,978	2,406	0	2,406	2,406
48	Platinum gp. of metals (PGM)	tonnes of metal contained	0	14.2	14.2	-	15.7	15.7	0	15.71	15.71
49	Potash	million tonnes	0	21815	21815	-	21,816	21,816	0	22,508	22,508
50	Pyrite	'000 tonnes	56726	1617675	1674401	-	1,674,401	1,674,401	0	1,674,401	1,674,401
51	Pyrophyllite	tonne	19489617	14205319	33694936	23,275,451	32,807,451	56,082,902	24,932,958	34,682,745	59,615,703
52	Quartz-Silica Sand	'000 tonnes	771508	2466703	3238211	429,223	3,069,808	3,499,031	647,528	3,260,420	3,907,948
53	Quartzite	'000 tonnes	98544	1046413	1144957	86,599	1,164,649	1,251,248	83,472	1,575,325	1,658,798
54	Rare Earth Elements (REE)	tonne							0	25,493	25,493
55	Rock Phosphate	tonne	52723492	252585084	305308576	34,778,650	261,505,701	296,284,351	45,807,485	266,871,130	312,678,615
56	Rock Salt	'000 tonnes	13530	0	13530	16,026	-	16,026	0	16,025	16,025
57	Ruby	kilogram	1925.1	3345364	5270.74	236	5,112	5,348	0	5,349	5,349
58	Sapphire	kilogram	0	450	450	-	450	450	0	450	450

Contd.

Table 2.01 : Mineral Reserves and Resources

Sl. No.	Minerals/ Metal	Unit	As on 01.04.2005			As on 01.04.2010			As on 01.04.2015		
			Reserves	Remaining Resources	Total Reserves	Reserves	Remaining Resources	Total Reserves	Reserves	Remaining Resources	Total Reserves
59	Shale	'000 tonnes				15,331	580	15,911	15,472	3,781	19,253
60	Sillimanite	tonne	11423994	62915875	74339869	4,085,052	62,902,385	66,987,437	6,502,115	63,702,027	70,204,142
61	Silver										
	Ore	tonne	115912738	128720729	244633467	187,558,668	279,426,291	466,984,959	150,443,903	361,510,732	511,954,635
	Metal	tonne	6058.33	4154.29	10212.62	8,039.57	19,588.68	27,628.25	7,171.94	22,809.88	29,981.82
62	Slate	'000 tonnes				0	2,369	2,369	20,286	2,586	22,872
63	Sulphur (Native)	'000 tonnes	0	210	210	-	210	210	0	210	210
64	Talc-Steatite-Soapstone	'000 tonnes	115526	196810	312335	90,026	178,996	269,022	106,490	209,434	315,924
65	Tin										
	Ore	tonne	249497	86302812	86552310	7,131	83,719,066	83,726,197	4,419	83,720,749	83,725,168
	Metal	tonne	134.08	101103.02	101237.1	1,132.43	101,142.41	102,274.84	154.2	102,259.16	102,413.36
66	Titanium	tonne	25148538	363239828	388388366	22,030,223	371,965,694	393,995,917	14,420,716	399,204,829	413,625,545
67	Tungsten										
	Ore	tonne	0	87387464	87387464	-	87,387,464	87,387,464	0	87,387,464	87,387,464
	Contained WO ₃	tonne	0	142094.35	142094.35	-	142,094.35	142,094.35	0	142,094.35	142,094.35
68	Vanadium										
	Ore	tonne	6318663	18529225	24847888	410,955	24,307,933	24,718,888	0	24,633,855	24,633,855
	Contained V ₂ O ₃	tonne	10769.78	54620.49	65390.27	1,602.72	63,284.45	64,887.17	0	64,594.01	64,594.01
69	Vermiculite	tonne	1763630	674631	2438261	1,704,007	803,003	2,507,010	1,632,885	719,582	2,352,467
70	Wollastonite	tonne	8533311	11708312	20241623	2,487,122	14,082,751	16,569,873	2,241,462	14,227,824	16,469,286
71	Zircon	tonne	3705912	569748	4275660	1,347,470	1,786,482	3,133,952	1,158,290	2,264,913	3,423,203

Source: National Mineral Inventory, Indian Bureau of Mines, Nagpur

N.E. - Not Estimated

Statement 2.02: Production of Minerals

Sl. No.	Minerals	Unit	2005-06	2010-11	2014-15	2015-16	2016-17(p)
1	2	3	4	5	6	7	8
Fuel Minerals							
1	Coal	Thousand Tonnes	407039	532694	609200	639230	660402
2	Lignite	Thousand Tonnes	30066	37733	48300	43842	45124
3	Natural Gas (Ut.)	M.C.M.	32202	52222	33656	32249	30866
4	Petroleum (Crude)	Thousand Tonnes	32190	37712	37461	36950	36009
Metallic Minerals							
5	Bauxite	Tonne	12595803	12640785	22493671	28123789	24664632
6	Chromite	Tonne	3714284	4262207	2164163	2915584	3727777
7	Copper Ore	Tonne	2642706	3615038	3505348	3907823	3846427
8	Copper Conc.	Tonne	125392	136856	10604	151837	134788
9	Gold Ore	Tonne	479353	727020	447278	562956	582280
10	Gold (Primary)	Kg.	2880	2239	1441	1323	1594
12	Iron Ore (Total)	Thousand Tonnes	165230	207998	129321	158108	192081
13	Lead & Zinc Ore	Tonne	4801184	7489693	9362659	10453038	11881236
14	Lead Conc.	Tonne	95738	145043	197668	261857	268051
15	Zinc Conc.	Tonne	889007	1420105	1489374	1473811	148245
16	Manganese Ore	Tonne	1906353	2881080	2369481	2166947	2393182
17	Silver	Kg.	27961	148288	327647	426443	460811
18	Tin Conc.	Kg.	98734	61355	24685	13541	12120
Non-Metallic Minerals							
19	Agate#	Tonne	9	19	0	0	0
20	Apatite	Tonne	9053	3846	930	110	0
21	Phosphorite	Tonne	-	2097490	1607215	3759071	3894738
22	Asbestos	Tonne	2323	268	0	0	0
23	Ball Clay#	Tonne	406675	958454			
24	Barytes#	Tonne	1156227	2333805			
25	Calcite#	Tonne	73558	39370			
26	Chalk#	Tonne	148352	174914			
27	Clay (Others)#	Tonne	805765	590702			
28	Diamond	Carat	44170	19774	36107	36044	36516
29	Diaspore#	Tonne	24494	26905			
30	Dolomite#	Tonne	4750512	5064875			
31	Dunite#	Tonne	36621	18591			
32	Felspar#	Tonne	426498	472041			
33	Fireclay#	Tonne	535735	571421			

Contd.

Statement 2.02: Production of Minerals

Sl. No.	Minerals	Unit	2005-06	2010-11	2014-15	2015-16	2016-17(p)
1	2	3	4	5	6	7	8
34	Felsite#	Tonne	981	1670			
35	Fluorite (Graded)	Tonne	5577	59954	2946	2333	1175
36	Flint Stone	Tonne			244	253	26
37	Garnet (Abrasive)	Tonne	674541	2126337	91394	82001	85411
38	Graphite (R.O.M.)	Tonne	125651	115697	116712	135528	122437
39	Gypsum#	Tonne	3291478	4918170			
40	Kaolin#	Tonne	1335744	2727946			
41	Kyanite	Tonne	8869	5954	6255	2901	3254
42	Sillimanite	Tonne	33119	48784	66025	69942	68137
43	Laterite#	Tonne	1040816	1220304			
44	Limestone	Thousand Tonnes	170029	246336	292810	307001	313196
45	Lime Kankar#	Tonne	291926	383817			
46	Limeshell	Tonne	110296	30410	16353	10353	12343
47	Magnesite	Tonne	340674	235762	285009	327663	299167
48	Marl	Tonne	-	4399379	2179488	2389707	2203701
49	Mica (Crude)#	Tonne	2115797	1333			
50	Mica (Waste & Scrap)**#	Tonne	4754362	7311			
51	Ochre #	Tonne	1007088	1218261			
52	Pyrophyllite#	Tonne	182526	240082			
53	Quartz#	Tonne	302259	497546			
54	Quartzite#	Tonne	109210	118177			
55	Silica Sand#	Tonne	2369977	3380968			
56	Moulding Sand	Tonne			6383	26042	27686
57	Sand (Others)#	Tonne	2277632	2057119			
58	Shale#	Tonne	2683853	3081622			
59	Slate#	Tonne	2527	-			
60	Steatite#	Tonne	681534	6728			
61	Selenite	Tonne	0	6736	207	3103	4327
62	Sulphur***	Tonne	152090	236998	429258	441153	527539
63	Vermiculite	Tonne	6674	19234	19336	23279	6543
64	Wollastonite	Tonne	128582	183381	186524	175348	166186

Source : MSMP March 2017 & earlier publication, Indian Bureau of Mines

Note : Excluding Atomic and Minor Minerals

(p): Provisional

- not available

** Includes mine waste and waste obtained while dressing of crude mica at the mine site.

*** Obtained as by-product from fertilizer plants and oil refineries.

Data for 2014-15 onwards is not available as these minerals have been declared as minor minerals vide notification dated 10.02.2015.

Statement 2.03 : Import of Ores and Minerals

Mineral	Unit	2013-14		2014-15		(Value in Rs.'000)	
		Quantity	Value	Quantity	Value	Quantity	Value
All Minerals	tonne	*	12158267979	*	10717327996	*	7387889416
Abrasive (natural)	tonne	4312	56954	5775	80934	4943	63748
Alabaster	tonne	877	23975	912	24831	970	24062
Alumina	tonne	1169523	27542194	790305	21244790	998446	22924844
Andalusite	tonne	8738	187621	9350	201731	14072	306082
Antimony ores & conc.	tonne	3464	888707	4711	1004076	5330	924221
Arsenic sulphide (natural)	tonne	8	576	31	2041	5	297
Asbestos: Total	tonne	285870	13298986	396493	17168105	355686	14865511
Ball clay	tonne	130804	915231	125384	957636	167856	1298485
Barytes	tonne	5687	144378	7484	146614	8433	189198
Bauxite	tonne	421612	3662474	1800689	8560886	1116010	5982901
Bentonite	tonne	6071	201663	11002	316055	15225	353710
Borax: Total	tonne	112775	3551233	146301	4474017	133551	4429452
Building and monumental stones NES	tonne	958905	1147451	759539	1438610	521202	1138893
Calcite	tonne	75863	427442	66450	369703	43812	219917
Chalk	tonne	17172	108515	26734	47715	6174	46310
Chromite: Total	tonne	261336	3099722	242685	2871479	187663	2266406
Clay (others)	tonne	17016	256640	14347	231877	19485	266435
Coal (excl. lignite)	'000	166861	923353960	212106	1045300819	204000	861073457
Coal:lignite	'000	0	5629	0	11131	0	5518
Coal gas	tonnes	0	306	0	1290	0	75
Cobalt ores & conc.	tonne	16	17358	272	366480	25	44193
Coke	tonne	4167206	67948149	3290324	43751479	3019502	31956111
Copper ores & conc.	tonne	2048240	332267404	1702247	285028249	1886199	262965392
Corundum (natural)	tonne	2	96	-	-	-	-
Diamond: Total		*	1349155094	*	1252140913	*	1105651211
Diamond (industrial)	ct	3135870	6755910	520983	298568	527650	495371
Diamond (mostly cut)	ct	146612350	1341171052	150487349	1250347957	151535456	1103784712
Diamond powder	'000	168540	1228132	351378	1494388	287431	1371128
Diatomite	tonne	6006	186713	2122	87085	2023	87085
Dolomite	tonne	2511602	3736522	2014760	3146097	1931136	2998295
Earth clay	tonne	586	16862	4617	2979	12	850

Contd.

Statement 2.03 : Import of Ores and Minerals

Mineral	Unit	2013-14		2014-15		2015-16(p)		(Value in Rs.'000)
		Quantity	Value	Quantity	Value	Quantity	Value	
Emerald (cut & uncut)		*	22328772	*	63062394	*	87263267	
Emerald (uncut)	tonne	85	5117924	32	6432925	42	6643105	
Emerald (cut)	'000 ct	8714	17210848	65144	56629469	85280	80620162	
Felspar (natural)	tonne	42448	212990	66749	242645	25716	177877	
Felspar (cut & uncut)		*	12453	*	9639	*	21268	
Felspar (uncut)	tonne	2	12422	25	7288	1	14827	
Felspar (cut)	'000 ct	0	31	77	2351	399	6441	
Fire clay	tonne	146	4473	4	137	393	16839	
Flint	tonne	-	-	141	2257	1279	17412	
Fluorspar	tonne	117254	2412179	155673	2967071	163113	2908708	
Garnet (abrasive)	tonne	626	10542	647	10297	883	11053	
Garnet (cut and uncut)		*	46894	*	68743	*	62629	
Garnet (uncut)	tonne	58	45309	33	59753	7	59779	
Garnet (cut)	'000 ct	2	1585	210	8990	26	2850	
Granite : Total	tonne	71378	2402008	65595	2269307	70288	2474283	
Graphite (natural)	tonne	22916	1235588	28552	1335288	26160	1213356	
Gypsum & plaster	tonne	3231930	5252011	4421048	6747745	4068412	5713627	
Iron ore: Total	'000 tonnes	369	3423552	12093	65947375	7099	31971445	
Kaolin	tonne	80204	1420872	93322	1662634	118524	1996778	
Kieselguhr	tonne	20	717	20	803	0	73	
Kyanite	tonne	394	13711	508	17006	478	16913	
Lead ores & conc.	tonne	33405	3880931	39441	3846804	5334	264662	
Limestone	tonne	13214179	21580366	13943781	22138585	17187164	23772767	
Magnesite : Total	tonne	66001	2216905	102077	3327761	118788	3256837	
Manganese ore: Total	tonne	2179334	28306272	3172858	34669120	2216864	17413687	
Marble : Total	tonne	757948	22107203	778503	23839858	858061	27392156	
Mica: Total	tonne	2049	563468	2240	703135	2471	895588	
Mica (unmanufactured) Total	tonne	883	36515	967	38596	984	56496	
Mica (worked)	tonne	1166	526953	1273	664539	1487	839092	
Molybdenum ores & conc.	tonne	5572	5558080	8093	8646302	7511	4903722	
Natural gas	tonne	13020689	516992878	13289155	563400559	14376924	437824475	
Nickel ores & conc.	tonne	1343	1207103	4185	3842487	3295	2453862	
Niobium or tantalum ores & conc.	tonne	61	163720	115	179733	191	246581	

Contd.

Statement 2.03 : Import of Ores and Minerals

Mineral	Unit	2013-14		2014-15		2015-16(p)	
		Quantity	Value	Quantity	Value	Quantity	Value
Ochre: Total	tonne	282	30443	176	25953	135	33920
Petroleum (crude)	'000 tonnes	189176	8696574352	187913	7093793565	202314	4293999334
Precious & semi-precious stones (cut & uncut): Total		9584	12574990	121156	14675049	50122	21000375
Precious & semi stones (uncut)	tonne	2722	8225057	1440	11430258	733	18329978
Precious & semi precious stones cut	'000 ct	6862	4349933	119716	3244791	49389	2670397
Precious metal ores & concentrates	kg	179	106977	101602	22252599	78654	13658294
Quartz & quartzite: Total	tonne	377	10924	215	10403	1224	43801
Rock phosphate	tonne	7160798	55177899	8273261	61888711	8037745	65290421
Salt (other than common salt)	tonne	35591	120999	41300	113604	55642	173742
Sand (excl. metal bearing)	tonne	15688	61432	58237	98437	165150	375079
Sandstone	tonne			0	18	26	3101
Silica sand	tonne	97526	938842	76529	556336	18788	226225
Sillimanite	tonne	110	14307	116	10754	214	9043
Slate	tonne	850	23951	472	16814	134	11295
Steatite : Total	tonne	2935	129217	3693	130505	4533	198579
Sulphur (excl. sublimed precipitated & colloidal)	tonne	1289979	11002926	1626407	17445433	1432632	14172608
Tin ores & conc.	tonne	1	380			82	58039
Titanium ores & conc.: Total	tonne	91775	1933433	51991	971521	106422	1637171
Tripoli earth	tonne	19	740			20	825
Tungsten ores & conc.	tonne	17	28235	191	61582	78	34081
Vanadium ores & conc.	tonne	61	8674	19	1378	64	6301
Vermiculite	tonne	176	8396	391	11486	439	15092
Witherite	tonne	344	7122	184	5261	0	20
Wollastonite	tonne	1305	30479	1948	32549	2818	53216
Zinc ores & conc.	tonne	33113	1562269	35696	1693837	385	18722
Zirconium ores & conc.	tonne	50945	3772861	47656	3331466	53208	3691652
Other minerals NES	tonne	52993	592588	74553	2285428	59203	805956

(p) - Provisional

Source: Indian Minerals Yearbook 2016, Indian Bureau of Mines

* : Quantity not given due to partial coverage, value figures however have full coverage.

++ : Negligible

Statement 2.04 : Export of Ores and Minerals (including re-export)

(Value in Rs.'000)

Mineral	Unit	2013-14		2014-15		2015-16(p)	
		Quantity	Value	Quantity	Value	Quantity	Value
All Minerals		*	1947835200	*	1780194116	*	1709463270
Abrasive (natural)	tonne	16023	242884	31901	516071	4477	59894
Alabaster	tonne	-	-	21	140	-	-
Alumina	tonne	1294651	25423465	1583590	32974205	1368526	25895763
Andalusite	tonne	5	244	4	127	-	-
Antimony ores & conc.	tonne	++	8	-	-	264	115561
Arsenic sulphide (natural)	tonne	-	-	-	-	15	98
Asbestos: Total	tonne	96	487	393	12026	524	23587
Ball clay	tonne	35694	158847	57557	194269	61536	148435
Barytes	tonne	1067755	8699416	651571	4525674	743407	6517077
Bauxite	tonne	3492546	6736456	6808588	14050662	8914624	19527405
Bentonite	tonne	1225568	3860451	1300083	3999734	1572469	4814345
Borax: Total	tonne	1623	125007	2655	164699	1724	124646
Building and monumental Stones NES	tonne	1686357	6268602	6127052	7786183	5133276	8489454
Calcite	tonne	23222	187542	30768	192309	25198	177978
Chalk	tonne	418	3860	490	2978	481	3816
Chromite: Total	tonne	195125	3468440	25361	659259	71839	1314084
Clay (others)	tonne	19604	172389	25515	217300	23341	312553
Coal (excluding lignite)	'000 tonnes	2188	10843195	1237	7202914	1576	9006273
Coal lignite	'000 tonnes	1	55575	1	13882	++	2752
Coke	tonne	150636	1478657	98003	1090634	89847	1073159
Coal gas	tonne	9	891	32	7820	1	99
Cobalt ores & conc.	tonne	253	47733	++	4	++	45
Copper ores & conc.	tonne	38912	3349917	1	10	11432	712919
Diamond		*	1581348137	*	1481021701	*	1427340191
Diamond (mostly cut)	ct	83850627	1580049655	74999043	1480557682	60737949	1426640488
Diamond (industrial)	ct	2121451	126895	4351127	168693	5651009	342213
Diamond powder	'000 ct	13532	1171587	18705	295326	9702	357490
Diatomite	tonne	58265	521672	87845	778088	30597	328270
Dolomite	tonne	32511	125328	44620	156629	85273	155665
Earth clay	tonne	7115	35053	8915	60466	9000	87141
Emerald (cut & uncut):Total		*	21570148	*	15945392	*	17879969
Emerald (uncut)	tonne	2	242508	3	731854	2	1938487

Contd.

Statement 2.04 : Export of Ores and Minerals (including re-export)

(Value in Rs.'000)

Mineral	Unit	2013-14		2014-15		2015-16(p)	
		Quantity	Value	Quantity	Value	Quantity	Value
Emerald (cut)	'000 ct	93300	21327640	142515	15213538	138459	15941482
Felspar (natural)	tonne	437144	2234475	589820	2876166	426172	2232789
Felspar (cut & uncut): Total		*	22694	*	26488	*	41184
Felspar (uncut)	tonne	++	241	++	841	38	1277
Felspar (cut)	'000 ct	1102	22453	4031	25647	143300	39907
Fire clay	tonne	2100	16879	2503	16318	887	10774
Flint	tonne	2524	18156	484	3991	867	7660
Fluorspar	tonne	876	16549	561	20763	316	11581
Garnet (abrasive)	tonne	480774	6060269	448559	5673827	480408	5950865
Garnet (cut and uncut): Total		*	39395	*	31070	*	25404
Garnet (uncut)	tonne	3	2722	++	2870	++	273
Garnet (cut)	'000 ct	1373	36673	1009	28200	1062	25131
Granite : Total	tonne	6802309	98685772	6563271	98322398	5674568	92720985
Graphite (natural)	tonne	820	112370	2669	86578	286	17071
Gypsum	tonne	48924	109055	65645	158036	110882	291059
Iron ore: Total	'000 tonnes	16302	94811058	7297	31436684	5441	12639631
Iron ore pyrites	'000 tonnes	3	3118	++	8579	++	7746
Kaolin	tonne	276165	1053487	258330	941752	304702	1105589
Kieselguhr	tonne	196	2984	137	2494	90	1901
Kyanite	tonne	52	1174	39	505	144	2703
Lead ores & conc.	tonne	7	201	509	22298	++	216
Limestone	tonne	2779074	3432311	3812759	4671971	3236010	4694273
Magnesite : Total	tonne	6118	127502	6612	120898	6204	124464
Manganese ore: Total	tonne	66030	189342	11026	65399	444	18946
Marble : Total	tonne	337937	5703435	325707	5990617	289853	5998401
Mica: Total	tonne	127882	3759755	141100	4263736	135805	4229711
Mica (unmanufactured): Total	tonne	127233	3058559	140450	3421154	135085	3444185
Mica (worked): Total	tonne	649	701196	650	842582	720	785526
Molybdenum ores & conc.	tonne	351	324538	24	17801	45	2199
Niobium or tantalum ores & conc.	tonne	25	31537	24	24238	-	-
Natural gas	tonne	4922	282766	138168	4901801	126951	3798602
Nickel ores & conc.	tonne	32	541	41	1452	125	11511
Ochre: Total	tonne	3550	72785	4034	92570	3633	75048

Contd.

Statement 2.04 : Export of Ores and Minerals (including re-export)

(Value in Rs.'000)

Mineral	Unit	2013-14		2014-15		2015-16(p)	
		Quantity	Value	Quantity	Value	Quantity	Value
Precious & semi-precious stones (cut & uncut): Total		*	16965361	*	12993424	*	12590265
Precious & semi precious stones (uncut)	tonne	2335	2873111	1278	1772426	1318	1169575
Precious & semi precious stones (cut)	'000 ct	377994	14092250	1869867	11220998	3672035	11420690
Precious metal ores & concentrates	kg	36361	181906	10000	24	144051	3167
Quartz and quartzite: Total	tonne	308409	2233315	410497	2938736	388192	3025916
Rock phosphate	tonne	948	7005	437	2916	14242	69096
Salt (other than common salt)	tonne	4956931	6562929	4776491	6390687	5926639	6701178
Sand (excl. metal bearing)	tonne	5444	369627	10751	342836	14476	491908
Sandstone	tonne	540874	7579286	627008	8523123	744657	10161784
Silica sand	tonne	4497	33142	1216	9802	709	6727
Sillimanite	tonne	28152	148779	17304	141262	15078	110846
Slate : Total	tonne	86090	1688206	100447	1867164	97591	1927308
Talc/Steatite/Soapstone : Total	tonne	149343	2028614	158405	2156562	187287	2709697
Steatite blocks	tonne	2585	22406	1056	19327	2621	33769
Steatite lumps	tonne	9351	104043	7926	96594	12736	222370
Steatite powder & others	tonne	137407	1902165	149423	2040641	171930	2453558
Sulphur (exc. sublimed precipitated & colloidal)	tonne	577695	3949918	397399	3714082	628164	5157083
Tin ores & conc.	tonne	8	1125	-	-	++	14
Titanium ores & conc.: Total	tonne	687923	10412481	779598	7179648	790489	6644934
Tungsten ores & conc.	tonne	323	64205	175	29666	1	391
Vanadium ores & conc.	tonne	2	7386	-	-	-	-
Vermiculite	tonne	737	8706	1044	9906	528	6402
Witherite	tonne	6	79	10	526	++	241
Wollastonite	tonne	19033	310240	17864	288087	16616	279263
Zinc ores & conc.	tonne	45660	1620063	41	744	558	11345
Zirconium ores & conc.	tonne	18036	648740	12230	488129	4859	241901
Other Minerals NES	tonne	855864	1180653	1768058	1773765	1362345	1200058

(p) - Provisional

Source: Indian Minerals Yearbook 2016, Indian Bureau of Mines

* : Quantity not given due to partial coverage, value figures however have full coverage.

++ : Negligible

Statement 2.05 : Inventory of Geological Reserves of Coal by Type

(Million tonnes)

Type of Coal\ As on April of Year	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1. Coking										
I. Prime coking	Proved	4614	4614	4614	4614	4614	4614	4614	4614	4614
	Indicated	699	699	699	699	699	699	699	699	699
	Inferred	0	0	0	0	0	0	0	0	0
	Total	5313	5313	5313	5313	5313	5313	5313	5313	5313
II. Medium coking	Proved	12308	12448	12573	12573	12837	13269	13389	13389	13501
	Indicated	12136	12064	11940	12001	11951	11893	12114	12114	12133
	Inferred	1880	1880	1880	1880	1800	1879	1879	1879	1879
	Total	26324	26393	26393	26454	26669	27041	27382	27382	27513
III. Blendable/ semi-coking	Proved	482	482	482	482	482	482	482	482	519
	Indicated	1003	1003	1003	1003	1003	1004	1004	1004	995
	Inferred	222	222	222	222	222	222	222	222	193
	Total	1707	1707	1707	1707	1707	1708	1708	1708	1707
2. Non-coking (Including High Sulphur)	Proved	84425	88175	92129	96333	100211	104816	113129	119602	124423
	Indicated	110378	109804	117012	123768	128515	129037	129425	125335	125485
	Inferred	36388	35819	34257	32287	31082	30999	31047	29462	30706
	Total	231191	233798	243398	252388	259808	264852	272192	274398	280615
Total	Proved	101829	105720	109798	114002	118145	123182	131614	138087	143058
	Indicated	124216	123570	130654	137471	142169	142632	143241	139151	139311
	Inferred	38490	37921	36359	34389	33183	33100	31739	31563	32779
	Total	264535	267211	276811	285862	293497	301564	306596	308802	315149

Source : Provisional Coal Statistics 2016-17, Coal Controller's Organization, Kolkata, Ministry of Coal

Note: The coal resources of India are available in older Gondwana Formations of peninsular India and younger Tertiary formations of north-eastern region. Based on the results of Regional Promotional Exploration, where the boreholes are normally placed 1-2 Km apart, the resources are classified into 'Indicated' or 'Inferred' category. Subsequent detailed exploration in selected blocks, where boreholes are less than 400 meter apart, upgrades the resources into more reliable 'Proved' category

Statement 2.06 : State-wise Inventory of Geological Reserves of Coal

S.No.	State	Resources	1-4-2010	1-4-2011	1-4-2012	1-4-2013	1-4-2014	1-4-2015	1-4-2016	1-4-2017
(Million tonnes)										
Gondwana Coal Fields										
1	Andhra Pradesh	Proved	9257	9297	9567	9604	9729	0	0	0
		Indicated	9730	9728	9554	9554	9670	1149	1149	1149
		Inferred	3029	3029	3034	3049	3068	432	432	432
		Total	22016	22054	22155	22207	22468	1581	1581	1581
2	Assam	Proved	0	0	0	0	0	0	0	0
		Indicated	3	3	3	3	4	4	14	14
		Inferred	0	0	0	0	0	0	0	0
		Total	3	3	3	3	4	4	14	14
3	Jharkhand	Proved	39633	39761	40163	41155	41377	41463	42323	44341
		Indicated	30992	32592	33609	32986	32780	33026	32301	31876
		Inferred	6338	6584	6584	6559	6559	6559	6548	6223
		Total	76964	78937	80356	80701	80716	81049	81172	82440
4	Bihar	Proved	0	0	0	0	0	0	0	0
		Indicated	0	0	0	0	0	0	0	0
		Inferred	160	160	160	160	160	160	160	1354
		Total	160	160	160	160	160	160	160	1354
5	Madhya Pradesh	Proved	8505	8871	9309	9818	10411	10411	10918	11269
		Indicated	11267	12192	12291	12355	12382	12784	12696	12760
		Inferred	2216	2063	2777	2889	2879	3341	3293	3645
		Total	21988	23126	24377	25061	25673	26536	26907	27673
6	Chhattisgarh	Proved	12441	12879	13988	14779	16052	18237	19136	19997
		Indicated	30230	32390	33448	34107	33253	34390	34614	34462
		Inferred	4011	4011	3410	3283	3228	2285	2287	2202
		Total	46682	49280	50846	52169	52533	54912	56036	56661
7	Maharashtra	Proved	5360	5490	5667	5667	5667	5953	6208	7038
		Indicated	2984	3094	3104	3186	3186	3190	3151	3158
		Inferred	1965	1950	2110	2110	2110	2110	2077	2063

Contd.

Statement 2.06 : State-wise Inventory of Geological Reserves of Coal

S.No.	State	Resources	1-4-2010	1-4-2011	1-4-2012	1-4-2013	1-4-2014	1-4-2015	1-4-2016	1-4-2017
		Total	10308	10534	10882	10964	10964	11253	11436	12259
8	Odisha	Proved	21507	24492	25548	27284	27791	30747	34295	34810
		Indicated	32074	33987	36466	37110	37873	36545	33284	34060
		Inferred	12726	10680	9434	9316	9408	8507	8318	8415
		Total	66307	69159	71447	73710	75073	75799	75896	77285
9	Sikkim	Proved	0	0	0	0	0	0	0	0
		Indicated	58	58	58	58	58	58	58	58
		Inferred	43	43	43	43	43	43	43	43
		Total	101	101	101	101	101	101	101	101
10	Uttar Pradesh	Proved	866	866	884	884	884	884	884	884
		Indicated	196	196	178	178	178	178	178	178
		Inferred	0	0	0	0	0	0	0	0
		Total	1062	1062	1062	1062	1062	1062	1062	1062
11	West Bengal	Proved	11753	11753	12425	13396	13403	13518	13602	13723
		Indicated	13030	13132	13358	12995	13022	13010	13021	12954
		Inferred	5071	5071	4832	4892	4893	4907	4907	4990
		Total	29853	29956	30615	31283	31318	31435	31529	31667
12	Telangana	Proved	-	-	-	-	-	9807	10128	10402
		Indicated	-	-	-	-	-	8808	8586	8542
		Inferred	-	-	-	-	-	2597	2700	2520
		Total	-	-	-	-	-	21211	21415	21464
Gondawana (Total)			109320	113408	117551	122588	125315	131020	137493	142464
		Proved	109320	113408	117551	122588	125315	131020	137493	142464
		Indicated	130564	137372	142070	142532	142407	143142	139052	139212
		Inferred	35559	33590	32384	32301	32350	30941	30764	31885
		Total	275444	284370	292005	297421	300072	305103	307309	313561

Contd.

Statement 2.06 : State-wise Inventory of Geological Reserves of Coal

S.No.	State	Resources	1-4-2010	1-4-2011	1-4-2012	1-4-2013	1-4-2014	1-4-2015	1-4-2016	1-4-2017
(Million tonnes)										
Tertiary Coal Fields										
1	Arunachal Pradesh	Proved	31	31	31	31	31	31	31	31
		Indicated	40	40	40	40	40	40	40	40
		Inferred	19	19	19	19	19	19	19	19
		Total	90	90	90	90	90	90	90	90
2	Assam (Tertiary)	Proved	349	465	465	465	465	465	465	465
		Indicated	33	43	43	43	43	43	43	43
		Inferred	3	3	3	3	3	3	3	3
		Total	385	511	511	511	511	511	511	511
3	Meghalaya (Tertiary)	Proved	89	89	89	89	89	89	89	89
		Indicated	17	17	17	17	17	17	17	17
		Inferred	471	471	471	471	471	471	471	471
		Total	576	576	576	576	576	576	576	576
4	Nagaland (Tertiary)	Proved	9	9	9	9	9	9	9	9
		Indicated	0	0	0	0	0	0	0	0
		Inferred	307	307	307	307	307	307	307	307
		Total	315	315	315	315	315	315	315	315
Tertiary Coalfields (Total)		Proved	478	594	594	594	594	594	594	594
		Indicated	90	99	99	99	99	99	99	99
		Inferred	799	799	799	799	799	799	799	799
		Total	1367	1492	1493	1493	1493	1493	1493	1588
India (Total)		Proved	109798	114002	118145	123182	125909	131614	138087	143058
		Indicated	130654	137471	142169	142633	142506	143241	139151	139311
		Inferred	36359	34390	33183	33100	33149	31741	31564	32780
		Total	276811	285862	293497	298914	301564	306596	308802	315149

Note : (i) Data may not add upto respective total due to rounding off.

(ii) Singrimari coalfield of Assam (Non- coking) is included in Gondawana coalfield, not considered in Tertiary coalfields.

Source : Provisional Coal Statistics 2016-17, Coal Controller's Organization, Kolkata, Ministry of Coal

Statement 2.07 : State-wise Inventory of Geological Reserve of Lignite

(as on 1st April 2012 to 2017)

State	Resources (QMT)	Year					
		2012	2013	2014	2015	2016	2017(p)
Gujarat	Proved	1278.65	1278.65	1278.65	1278.65	1278.65	1278.65
	Indicated	283.70	283.70	283.70	283.70	283.70	283.70
	Inferred	1159.70	1159.70	1159.70	1159.70	1159.70	1159.70
	Total	2722.05	2722.05	2722.05	2722.05	2722.05	2722.05
J & K	Proved	0.00	0.00	0.00	0.00	0.00	0.00
	Indicated	20.25	20.25	20.25	20.25	20.25	20.25
	Inferred	7.30	7.30	7.30	7.30	7.30	7.30
	Total	27.55	27.55	27.55	27.55	27.55	27.55
Kerala	Proved	0.00	0.00	0.00	0.00	0.00	0.00
	Indicated	0.00	0.00	0.00	0.00	0.00	0.00
	Inferred	9.65	9.65	9.65	9.65	9.65	9.65
	Total	9.65	9.65	9.65	9.65	9.65	9.65
Puducherry	Proved	0.00	0.00	0.00	0.00	0.00	0.00
	Indicated	405.61	405.61	405.61	405.61	405.61	405.61
	Inferred	11.00	11.00	11.00	11.00	11.00	11.00
	Total	416.61	416.61	416.61	416.61	416.61	416.61
Rajasthan	Proved	1167.02	1167.02	1167.02	1168.53	1168.53	1168.53
	Indicated	2152.59	2671.93	2671.93	2670.84	2670.84	2670.83
	Inferred	1587.40	1850.57	1881.39	1887.34	1896.60	1896.60
	Total	4907.01	5689.52	5720.35	5726.71	5735.97	5735.96
Tamil Nadu	Proved	3735.23	3735.23	3735.23	3735.23	3735.23	4043.53
	Indicated	22900.05	22900.05	22900.05	22900.05	22991.17	22632.87
	Inferred	7242.85	7712.43	7712.43	8573.62	8953.53	9055.98
	Total	33878.13	34347.71	34347.71	35208.9	35679.93	35782.38
West Bengal	Proved	0.00	0.00	0.00	0.00	0.00	0.00
	Indicated	0.93	1.13	1.13	1.13	1.13	1.13
	Inferred	0.86	1.64	1.64	1.64	1.64	2.8
	Total	1.79	2.77	2.77	2.77	2.77	3.93
All India	Proved	6180.90	6180.90	6180.90	6182.41	6182.41	6540.70
	Indicated	25763.13	26282.67	26282.67	26281.58	26372.70	26014.39
	Inferred	10018.76	10752.29	10783.11	11650.25	12039.42	12143.03
	Total	41962.79	43215.86	43246.68	44114.24	44594.53	44698.13

Source : Provisional Coal Statistics 2016-17, Coal Controller's Organization, M/o Coal (Figures compiled by Neyveli Lignite Corporation Ltd.)

QMT : Quantiy in Million Tonnes.

(p) : Provisional

Statement 2.08: Total Primary Supply of Coal & Lignite

(Million tonnes)

Year	Fuel Type	Production	Imports	Exports	Net Imports	Opening Stock	Closing Stock	Stock Change	Total Primary Supply
2005-06	Coal	407.039	38.586	1.989	36.597	23.969	34.334	-10.365	433.271
	Lignite	30.228			0.000	0.536	0.525	0.011	30.239
	Total	437.267	38.586	1.989	36.597	24.505	34.859	-10.354	463.510
2006-07	Coal	430.832	43.081	1.554	41.527	34.334	44.348	-10.014	462.345
	Lignite	31.285			0.000	0.525	1.002	-0.477	30.808
	Total	462.117	43.081	1.554	41.527	34.859	45.350	-10.491	493.153
2007-08	Coal	457.082	49.794	1.627	48.167	44.348	46.779	2.431	502.818
	Lignite	33.980			0	1.002	0.328	-0.674	34.654
	Total	491.062	49.794	1.627	48.167	45.350	47.107	1.757	537.472
2008-09	Coal	492.757	59.003	1.655	57.348	46.779	47.317	0.538	549.567
	Lignite	32.421			0	0.328	0.903	0.575	31.846
	Total	525.178	59.003	1.655	57.348	47.107	48.220	1.113	581.413
2009-10	Coal	532.042	73.255	2.454	70.801	47.317	64.863	17.546	585.297
	Lignite	34.071				0.903	0.565	-0.338	34.409
	Total	566.113	73.255	2.454	70.801	48.220	65.428	17.208	619.706
2010-11	Coal	532.694	68.198	4.409	64.509	64.863	72.192	7.329	589.874
	Lignite	37.733				0.565	0.61	0.045	37.688
	Total	570.427	68.198	4.409	64.509	65.428	72.802	7.374	627.562
2011-12	Coal	539.95	102.853	2.014	100.839	72.192	74.04	1.848	642.637
	Lignite	42.332				0.61	1.051	0.441	42.773
	Total	582.282	102.853	2.014	100.839	72.802	75.091	2.289	685.410
2012-13	Coal	556.402	145.785	2.443	143.342	74.04	63.049	-10.991	688.753
	Lignite	46.453	0.001	0.069	-0.068	1.051	1.493	0.442	46.827
	Total	602.855	145.786	2.512	143.274	75.091	64.542	-10.549	735.580
2013-14	Coal	565.766	168.439	2.153	166.286	63.049	55.178	-7.871	724.181
	Lignite	44.271	0.001	0.002	-0.001	1.493	1.86	0.367	44.637
	Total	610.037	168.440	2.155	166.285	64.542	57.038	-7.504	768.818
2014-15	Coal	612.435	212.103	1.238	210.865	55.178	59.389	4.211	827.511
	Lignite	48.257	0.001	0.003	-0.002	1.860	3.176	1.316	49.571
	Total	660.692	212.104	1.241	210.863	57.038	62.565	5.527	877.082
2015-16	Coal	639.23	203.949	1.575	202.374	59.389	65.361	5.972	847.576
	Lignite	43.842	0.001	0.001	0.001	3.176	4.809	1.633	45.476
	Total	683.072	203.95	1.576	202.375	62.565	70.170	7.605	893.052
2016-17(p)	Coal	662.792	190.953	1.773	189.18	65.361	77.285	11.924	863.896
	Lignite	45.23	0.019	0.005	0.014	4.809	6.883	2.074	47.318
	Total	708.022	190.972	1.778	189.194	70.170	84.168	13.998	911.214

Source : Provisional Coal Statistics 2016-17, Coal Controller's Organization, M/o Coal

Note: Total Primary supply is estimated as sum of indigenous production, Net Import & Stock Change. For simplicity, only stock change of pit head stock is taken.

(p) : Provisional

Statement 2.09: State-wise Production of Raw Coal by Types

State	2005-06	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17(p)
Coking								
Chhattisgarh	0.150	0.163	0.189	0.157	0.125	0.126	0.135	0.110
Jharkhand	30.295	48.931	51.108	51.065	55.088	54.430	58.548	59.604
Madhya Pradesh	0.932	0.403	0.319	0.330	0.249	0.310	0.209	0.131
West Bengal	0.134	0.036	0.044	0.030	1.356	0.580	1.995	1.816
Total Coking	31.511	49.533	51.660	51.582	56.818	57.446	60.887	61.661
Non-Coking								
Andhra Pradesh	36.138	51.333	-	-	-	-	-	-
Arunachal Pradesh	-	0.299	0.221	0.073	0.000	0.000	0.000	0.000
Assam	1.101	1.101	0.602	0.605	0.664	0.779	0.487	0.600
Chhattisgarh	76.208	113.662	113.769	117.673	126.970	134.638	130.470	143.739
Jammu & Kashmir	0.019	0.024	0.020	0.019	0.019	0.013	0.013	0.010
Jharkhand	55.128	60.398	58.458	60.209	58.003	67.713	62.519	66.831
Madhya Pradesh	54.647	70.701	70.804	75.618	75.341	87.299	107.505	104.882
Maharashtra	-	39.336	39.159	39.134	37.223	38.257	38.351	40.559
Meghalaya	5.566	6.974	7.206	5.640	5.732	2.524	3.712	3.712
Odisha	70.540	102.565	105.476	110.132	112.917	123.627	138.461	139.359
Telangana	-	-	52.211	53.190	50.469	52.536	60.380	59.532
Uttar Pradesh	15.721	15.526	16.178	16.090	14.721	14.957	12.689	16.056
West Bengal	24.341	21.624	24.186	26.437	26.888	29.390	23.756	25.851
Total Non-Coking	375.528	483.543	488.290	504.820	508.947	551.733	578.343	601.131
Total	407.039	533.076	539.950	556.402	565.765	609.179	639.230	662.792

Source : Provisional Coal Statistics 2016-17, Coal Controller's Organization, Kolkata, Ministry of Coal

(p) : Provisional

Statement 2.10 : State-wise Production of Coal and Lignite

(Million tonnes)

Sl. No.	States	2005-06	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17 (p)
1	2	3	4	5	6	7	8	9	10
I.	Coal	407.00	532.69	539.95	556.40	565.77	609.18	639.23	662.79
1	Andhra Pradesh	36.13	51.33	52.21	53.19	50.47	0.00	0.00	0.00
2	Arunachal Pradesh	—	0.30	0.20	0.07	0.00	0.00	0.00	0.00
3	Assam	1.10	1.10	0.60	0.61	0.66	0.78	0.49	0.60
4	Chhatisgarh	76.35	113.82	113.96	117.83	127.10	134.76	130.61	143.85
5	Jammu & Kashmir				0.02	0.02	0.01	0.01	0.01
6	Jharkhand	85.38	108.95	109.57	111.27	113.09	124.14	121.07	126.44
7	Meghalaya	5.57	6.97	7.20	5.64	5.73	2.52	3.71	3.71
8	Madhya Pradesh	55.58	71.10	71.12	75.95	75.59	87.61	107.71	105.01
9	Maharashtra	36.12	39.34	39.16	39.13	37.22	38.26	38.35	40.56
10	Odisha	70.54	102.57	105.48	110.13	112.92	123.63	138.46	139.36
11	Telangana					0.00	52.54	60.38	59.53
12	Uttar Pradesh	15.72	15.53	16.18	16.09	14.72	14.96	12.69	16.06
13	West Bengal	24.47	21.66	24.23	26.47	28.24	29.97	25.75	27.67
II.	Lignite	30.10	37.73	42.33	46.45	44.27	48.27	43.84	45.23
1	Gujarat	8.90	13.06	14.78	14.53	11.59	12.32	10.12	10.55
2	Rajasthan	0.70	1.53	2.96	7.08	7.63	10.76	9.49	8.48
3	Tamilnadu	20.40	23.14	24.59	24.84	25.06	25.19	24.23	26.20

Source : Provisional Coal Statistics 2005-06 to 2016-17, Coal Controller's Organization, Kolkata, Ministry of Coal
(p): Provisional

Statement 2.11 : Key Indicators of Petroleum Industry

Item	Unit	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17 (p)
1. Production									
(i) Crude Oil	MMT	33.69	37.68	38.09	37.86	37.79	37.46	36.94	36.01
(ii) Natural Gas	BCM	47.5	52.22	47.56	40.68	35.41	33.66	32.25	31.9
(iii) Petroleum Products	MMT	184.61	194.82	203.2	217.74	220.76	221.14	231.92	243.55
2. Consumption									
(i) Crude Oil (in terms of refinery crude processed)	MMT	186.55	196.99	204.12	219.21	222.50	223.24	232.86	245.36
(ii) Natural Gas (including LNG)	BCM	48.34	52.02	60.68	53.91	48.99	46.95	47.85	50.78
(iii) Petroleum Products	MMT	137.81	141.04	148.13	157.06	158.41	165.52	184.67	193.75
3. Reserves (Balance Recoverable) as on 31st March									
(i) Crude Oil	MMT	774.66	660.04	652.16	651.55	647.38	635.59	621.28	604.1
(ii) Natural Gas	BCM	1148.54	1141.59	1166.77	1171.69	1199.1	1251.89	1227.4	1289.81
4. Imports & Exports									
(i) Gross Imports :									
(a) Qty : Crude Oil	MMT	159.26	163.6	171.73	184.8	189.24	189.43	202.85	213.93
LNG	MMT	9.15	9.93	13.21	13.14	12.99	14.09	16.14	18.63
Petroleum Products	MMT	14.67	17.38	15.85	16.35	16.7	21.30	29.46	35.41
Total (a)	MMT	183.08	190.91	200.79	214.29	218.93	224.82	248.45	267.97
(b) Value: Crude Oil	₹ Billion	3752.77	4552.76	6722.2	7846.52	8648.75	6874.16	4165.79	4702.51
LNG	₹ Billion	106.95	143.62	317.18	419.02	531.23	573.84	450.38	408.13
Petroleum Products	₹ Billion	336.87	559.98	680.91	688.52	758.96	746.44	653.61	707.27
Total (b)	₹ Billion	4196.59	5256.36	7720.29	8954.06	9938.94	8194.44	5269.78	5817.91
(ii) Exports :									
(a) Qty : Petroleum Products	MMT	51.15	59.08	60.84	63.41	67.86	63.93	60.54	65.51
(b) Value: Petroleum Products	₹ Billion	1446.87	1968.61	2846.44	3200.90	3682.79	2885.8	1767.8	1948.93
(iii) Net Imports :									
(a) Qty : Crude Oil	MMT	159.26	163.6	171.73	184.8	189.24	189.43	202.85	213.93
LNG	MMT	9.15	9.93	13.21	13.14	12.99	14.09	16.14	18.63
Petroleum Products	MMT	-36.49	-41.7	-44.99	-47.05	-51.17	-42.63	-31.08	-30.1
Total (a)	MMT	131.92	131.83	139.95	150.89	151.06	160.89	187.91	202.46
(b) Value: Crude Oil	₹ Billion	3752.77	4552.76	6722.2	7846.52	8648.75	6874.16	4165.79	4702.51
LNG	₹ Billion	106.95	143.62	317.18	419.02	531.23	573.84	450.38	408.13
Petroleum Products	₹ Billion	-1110.00	-1408.62	-2165.53	-2512.38	-2923.83	-2139.36	-1114.19	-1241.66
Total (b)	₹ Billion	2749.72	3287.76	4873.85	5753.16	6256.15	5308.64	3501.98	3868.98

Source: Indian Petroleum & Natural Gas Statistics -2016-17

(p): Provisional

Statement 2.12: State-wise Energy Supply Position

April 2016- March 2017

Region/State/U.Ts.	Energy Requirement (MU)	Energy Supplied (MU)	Energy not supplied		Peak Demand (MW)	Peak Met (MW)	Demand not met	
			(MU)	(%)			(MW)	%
Chandigarh	1,645	1,645	0	0.0	361	361	0	0.0
Delhi	30,829	30,797	32	0.1	6,342	6,261	81	1.3
Haryana	48,895	48,895	0	0.0	9,262	9,262	0	0.0
Himachal Pradesh	8,831	8,779	52	0.6	1,499	1,499	0	0.0
Jammu & Kashmir	17,398	14,194	3204	18.4	2,675	2,140	535	20.0
Punjab	53,098	53,098	0	0.0	11,408	11,408	0	0.0
Rajasthan	67,838	67,415	423	0.6	10,613	10,348	265	2.5
Uttar Pradesh	107,569	105,701	1868	1.7	17,183	16,110	1,073	6.2
Uttarakhand	13,069	12,986	83	0.6	2,037	2,037	0	0.0
NORTHERN REGION	349,172	343,613	5659	1.6	53,372	52,612	760	1.4
Chhattisgarh	23,750	23,697	53	0.2	3,875	3,851	25	0.6
Dadra & Nagar Haveli	6,021	6,021	0	0.0	784	784	0	0.0
Daman & Diu	2,398	2,398	0	0.0	334	334	0	0.0
Goa	4,319	4,317	2	0.0	564	531	14	2.6
Gujarat	103,706	103,705	1	0.0	14,724	14,719	5	0.0
Madhya Pradesh	65,759	65,758	1	0.0	11,512	11,501	11	0.1
Maharashtra	139,295	139,228	67	0.0	22,516	22,207	309	1.4
WESTERN REGION	345,247	345,127	120	0.0	48,531	48,313	218	0.4
Andhra Pradesh	54,300	54,257	43	0.1	7,969	7,965	4	0.1
Karnataka	66,899	66,537	362	0.5	10,261	10,242	19	0.2
Kerala	24,296	24,261	35	0.1	4,132	3,996	135	3.3
Lakshadweep #	48	48	0	0.0	8	8	0	0.0
Puducherry	2,548	2,545	3	0.1	371	368	3	0.7
Tamil Nadu	104,511	104,487	24	0.0	14,823	14,823	0	0.0
Telangana	53,030	53,018	12	0.0	9,187	9,187	0	0.0
SOUTHERN REGION	305,586	305,107	480	0.2	42,232	42,232	0	0.0
Andaman Nicobar #	240	180	60	25.0	40	32	8	20.0
Bihar	25,711	25,130	581	2.3	3,883	3,759	125	3.2
DVC	18,929	18,791	138	0.7	2,721	2,721	0	0.0
Jharkhand	7,960	7,906	54	0.7	1,498	1,498	0	0.0
Orissa	26,758	26,756	2	0.0	4,012	4,012	0	0.0
Sikkim	475	475	0	0.0	112	112	0	0.0
West Bengal	47,948	47,807	141	0.3	7,931	7,886	45	0.6
EASTERN REGION	127,783	126,868	916	0.7	18,908	18,788	120	0.6
Arunachal Pradesh	729	714	15	2.1	148	140	8	5.4
Assam	9,020	8,694	326	3.6	1,673	1,633	40	2.4
Manipur	764	740	24	3.1	163	163	0	0.2
Meghalaya	1,715	1,715	0	0.0	331	331	0	0.0
Mizoram	514	501	13	2.5	98	98	0	0.0
Nagaland	757	745	12	1.6	148	147	1	0.7
Tripura	1,644	1,621	23	1.4	284	284	0	0.0
NORTH EAST REGION	15,140	14,720	420	2.8	2,487	2,475	12	0.5
ALL INDIA	1,142,929	1,135,334	7595	0.7	159,542	156,934	2,608	1.6

Lakshadweep & A & N Islands are stand-alone systems, power supply position of these does not form part of regional requirement and availability.

MU: Million unit

MW: Megawatt

Note : Total may not tally

Source : General Review 2017, Central Electricity Authority

Statement 2.13 : Installed Capacity of Power Utilities

Sl. No.	State/Union Territory	Thermal				Total Thermal	Nuclear	Hydro Renewable	RES* (MNRE)	Grand Total
		Coal 3	Gas 4	Diesel 5						
I	2					6	7	8	9	10
1	Northern Region	45644.50	5331.26	0.00	0.00	50975.76	1620.00	18246.77	9753.85	80596.38
1	Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Delhi	135.00	2050.40	0.00	0.00	2185.40	0.00	0.00	0.00	2185.40
3	Haryana	3160.00	25.00	0.00	0.00	3185.00	0.00	884.51	59.30	4128.81
4	Himachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	393.60	256.11	649.71
5	Jammu & Kashmir	0.00	175.00	0.00	0.00	175.00	0.00	1230.00	106.53	1511.53
6	Punjab	2630.00	25.00	0.00	0.00	2655.00	0.00	2230.23	127.80	5013.03
7	Rajasthan	5190.00	603.80	0.00	0.00	5793.80	0.00	987.96	23.85	6805.61
8	Uttar Pradesh	5923.00	0.00	0.00	0.00	5923.00	0.00	524.10	25.10	6472.20
9	Uttarakhand	0.00	0.00	0.00	0.00	0.00	0.00	1252.15	62.87	1315.02
10	Private sector	16606.00	108.00	0.00	0.00	16714.00	0.00	2478.00	9092.29	28284.29
11	Central sector	12000.50	2344.06	0.00	0.00	14344.56	1620.00	8266.22	0.00	24230.78
II	Western Region	72153.01	10815.41	0.00	0.00	82968.42	1840.00	7447.50	15986.98	108242.90
1	Chhattisgarh	2780.00	0.00	0.00	0.00	2780.00	0.00	120.00	11.05	2911.05
2	Dadra & Nagar Haveli	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Daman & Diu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Goa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05
5	Gujarat	4970.00	2321.82	0.00	0.00	7291.82	0.00	772.00	8.00	8071.82
6	Madhya Pradesh	4080.00	0.00	0.00	0.00	4080.00	0.00	1703.66	83.96	5867.62
7	Maharashtra	10970.00	672.00	0.00	0.00	11642.00	0.00	2884.84	208.13	14734.97
8	Private sector	36455.00	4288.00	0.00	0.00	40743.00	0.00	447.00	15675.79	56865.79
9	Central sector	12898.01	3533.59	0.00	0.00	16431.60	1840.00	1520.00	0.00	19791.60
III	Southern Region	36442.50	6473.66	917.48		43833.64	2320.00	11558.03	19068.02	76779.69
1	Andhra Pradesh	3085.91	0.00	0.00	0.00	3085.91	0.00	1758.87	89.50	4934.28
2	Karnataka	4220.00	0.00	127.92	0.00	4347.92	0.00	3599.80	155.33	8103.05
3	Kerala	0.00	0.00	234.60	0.00	234.60	0.00	1881.50	138.92	2255.02
4	NLC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Puducherry	0.00	32.50	0.00	0.00	32.50	0.00	0.00	0.00	32.50
6	Tamil Nadu	4770.00	524.08	0.00	0.00	5294.08	0.00	2182.20	122.70	7598.98
7	Tanalgana	4806.59	0.00	0.00	0.00	4806.59	0.00	2135.66	0.00	6942.25
8	Private sector	7670.00	5557.50	554.96	0.00	13782.46	0.00	0.00	18561.57	32344.03
9	Central sector	11890.00	359.58	0.00	0.00	12249.58	2320.00	0.00	0.00	14569.58

Contd.

Statement 2.13 : Installed Capacity of Power Utilities

on 31st March, 2016										(Mega Watts)
Sl. No.	State/Union Territory	Thermal			Total Thermal	Nuclear	Hydro Renewable	RES* (MNRE)	Grand Total	
		Coal	Gas	Diesel						
1	2	3	4	5	6	7	8	9	10	
IV	Eastern Region									
1	Bihar	30622.87	190.00	0.00	30812.87	0.00	4289.12	840.37	35942.36	
2	D.V.C.	210.00	0.00	0.00	210.00	0.00	0.00	70.70	280.70	
3	Jharkhand	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4	Odisha	1190.00	0.00	0.00	1190.00	0.00	130.00	4.05	1324.05	
5	Sikkim	420.00	0.00	0.00	420.00	0.00	2061.92	6.30	2488.22	
6	West Bengal	0.00	0.00	0.00	0.00	0.00	0.00	52.11	52.11	
7	Private sector	5720.00	100.00	0.00	5820.00	0.00	977.00	91.95	6888.95	
8	Central sector	8731.38	0.00	0.00	8731.38	0.00	195.00	615.26	9541.64	
		14351.49	90.00	0.00	14441.49	0.00	925.20	0.00	15366.69	
V	North-Eastern Region									
1	Arunachal Pradesh	310.00	1698.30	36.00	2044.30	0.00	1242.00	263.72	3550.02	
2	Assam	0.00	0.00	0.00	0.00	0.00	0.00	104.61	104.61	
3	Manipur	60.00	276.20	0.00	336.20	0.00	100.00	30.01	466.21	
4	Meghalaya	0.00	0.00	36.00	36.00	0.00	0.00	5.45	41.45	
5	Mizoram	0.00	0.00	0.00	0.00	0.00	282.00	31.03	313.03	
6	Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	36.47	36.47	
7	Tripura	0.00	169.50	0.00	169.50	0.00	0.00	30.67	30.67	
8	Private sector	0.00	24.50	0.00	24.50	0.00	0.00	16.01	185.51	
9	Central sector	250.00	1228.10	0.00	1478.10	0.00	860.00	9.47	33.97	
								0.00	2338.10	
	State	0.00	0.00	40.05	40.05	0.00	0.00	11.10	51.15	
	Andaman & State	0.00	0.00	40.05	40.05	0.00	0.00	5.25	45.30	
	Lakshadweep State	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Private sector	0.00	0.00	0.00	0.00	0.00	0.00	5.85	5.85	
	Central sector	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	All INDIA	185172.88	24508.63	993.53	210675.04	5780.00	42783.42	45924.04	305162.50	

Source : Central Electricity Authority

*: RES includes SHP,BP,U&I, Solar and Wind Energy. Installed capacity in respect of RES (MINER) as on 30.9.2013

Statement 2.13: Installed capacity of power utilities

Sl. No.	State/Union Territory	Thermal			Total Thermal	Nuclear	Hydro Renewable	RES* (MNRE)	Grand Total
		Coal	Gas	Diesel					
1	2	3	4	5	6	7	8	9	10
I	Northern Region	51329.20	5781.26	0.00	57110.46	1620.00	19311.77	11523.36	89565.59
1	Delhi	135.00	1800.40	0.00	1935.40	0.00	0.00	0.00	1935.40
1	Haryana	2720.00	150.00	0.00	2870.00	0.00	1084.51	59.30	4013.81
3	Himachal Pradesh	0.00	0.00	0.00	0.00	0.00	594.60	256.61	851.21
4	Jammu & Kashmir	0.00	175.00	0.00	175.00	0.00	1230.00	108.03	1513.03
5	Punjab	2630.00	150.00	0.00	2780.00	0.00	2570.23	127.80	5478.03
6	Rajasthan	5190.00	603.80	0.00	5793.80	0.00	1087.96	23.85	6905.61
7	Uttar Pradesh	5923.00	0.00	0.00	5923.00	0.00	724.10	25.10	6672.20
8	Uttarkhand	0.00	0.00	0.00	0.00	0.00	1252.15	62.87	1315.02
9	Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Private sector	22100.83	558.00	0.00	22658.83	0.00	2502.00	10859.80	36020.63
11	Central sector	12630.37	2344.06	0.00	14974.43	1620.00	8266.22	0.00	24860.65
II	Western Region	68293.62	11203.41	0.00	79497.03	1840.00	7447.50	18304.43	107088.96
1	Goa	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05
2	Daman & Diu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Gujarat	5230.00	2321.82	0.00	7551.82	0.00	772.00	8.00	8331.82
4	Madhya Pradesh	4080.00	0.00	0.00	4080.00	0.00	1703.66	83.96	5867.62
5	Chhatisgarh	3280.00	0.00	0.00	3280.00	0.00	120.00	11.05	3411.05
6	Maharashtra	10580.00	672.00	0.00	11252.00	0.00	2884.84	208.13	14344.97
7	Dadra & Nagar Haveli	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Private sector	31465.67	4676.00	0.00	36141.67	0.00	447.00	17993.24	54581.91
9	Central sector	13657.95	3533.59	0.00	17191.54	1840.00	1520.00	0.00	20551.54
III	Southern Region	43382.02	6473.66	761.58	50617.26	3320.00	11739.03	26132.07	91808.36
1	Andhra Pradesh	4410.00	235.40	0.00	4645.40	0.00	1747.93	89.50	6482.83
2	Tanalgana	4082.50	0.00	0.00	4082.50	0.00	2306.60	0.00	6389.10
3	Karnataka	5020.00	0.00	127.92	5147.92	0.00	3599.80	155.33	8903.05
4	Kerala	0.00	0.00	159.96	159.96	0.00	1881.50	145.02	2186.48
5	Tamil Nadu	4320.00	524.08	0.00	4844.08	0.00	2203.20	122.70	7169.98
6	NLC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Puducherry	0.00	32.50	0.00	32.50	0.00	0.00	0.00	32.50
8	Private sector	12124.50	5322.10	473.70	17920.30	0.00	0.00	25619.52	43539.82
9	Central sector	13425.02	359.58	0.00	13784.60	3320.00	0.00	0.00	17104.60

Contd.

Statement 2.13: Installed capacity of power utilities

Sl. No.	State/Union Territory	Thermal					Total Thermal	Nuclear	Hydro Renewable	RES* (MINRE)	Grand Total
		Coal	Gas	Diesel							
1	2	3	4	5	6	7	8	9	10		
IV	Eastern Region	28578.02	100.00	0.00	28678.02	0.00	4738.12	990.74	34406.88		
1	Bihar	210.00	0.00	0.00	210.00	0.00	0.00	70.70	280.70		
2	Jharkhand	875.00	0.00	0.00	875.00	0.00	0.00	4.05	1009.05		
3	West Bengal	5520.00	100.00	0.00	5620.00	0.00	0.00	91.95	6697.95		
4	D.V.C.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
5	Odisha	420.00	0.00	0.00	420.00	0.00	2061.92	6.30	2488.22		
6	Sikkim	0.00	0.00	0.00	0.00	0.00	360.00	52.11	412.11		
7	Private sector	7451.38	0.00	0.00	7451.38	0.00	195.00	765.63	8412.01		
8	Central sector	14101.64	0.00	0.00	14101.64	0.00	1005.20	0.00	15106.84		
V	North-Eastern Region	580.02	1771.05	36.00	2387.07	0.00	1242.00	281.13	3910.20		
1	Assam	60.00	323.45	0.00	383.45	0.00	100.00	30.01	513.46		
2	Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	104.61	104.61		
3	Meghalaya	0.00	0.00	0.00	0.00	0.00	282.00	31.03	313.03		
4	Tripura	0.00	169.50	0.00	169.50	0.00	0.00	16.01	185.51		
5	Manipur	0.00	0.00	36.00	36.00	0.00	0.00	5.45	41.45		
6	Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	30.67	30.67		
7	Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	41.47	41.47		
8	Private sector	0.00	24.50	0.00	24.50	0.00	0.00	21.88	46.38		
9	Central sector	520.02	1253.60	0.00	1773.62	0.00	860.00	0.00	2633.62		
State	State	0.00	0.00	40.05	40.05	0.00	0.00	12.52	52.57		
	Andaman & State	0.00	0.00	40.05	40.05	0.00	0.00	5.25	45.30		
	Lakshadweep State	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	Private sector	0.00	0.00	0.00	0.00	0.00	0.00	7.27	7.27		
	Central sector	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
All India	All India	192162.88	25329.38	837.63	218329.88	6780.00	44478.42	57244.23	326832.53		

Source : Central Electricity Authority.

*: RES includes SHP,BP,U&I, Solar and Wind Energy. Installed capacity in respect of RES (MINER) as on 31.03.2017

Statement 2.14: Installed Power generating capacity in India

(Mega Watts)

Sr. No.	As on	Hydro	Thermal				Nuclear	RES#	Grand Total
			Coal	Gas	Diesel	Total			
1	31.12.47	508	756	0	98	854	0	0	1362
2	31.12.50	560	1004	0	149	1153	0	0	1713
3	31.03.56	1061	1597	0	228	1825	0	0	2886
4	31.03.61	1917	2436	0	300	2736	0	0	4653
5	31.03.66	4124	4417	134	352	4903	0	0	9027
6	31.03.69	5907	6640	134	276	7050	0	0	12957
7	31.03.74	6966	8652	165	241	9058	640	0	16664
8	31.03.79	10833	14875	168	164	15207	640	0	26680
9	31.03.80	11384	15991	268	165	16424	640	0	28448
10	31.03.85	14460	26311	542	177	27030	1095	0	42585
11	31.03.90	18307	41236	2343	165	43744	1565	0	63616
12	31.03.92	19194	44791	3095	168	48054	1785	32	69065
13	31.03.97	21658	54154	6562	2947	63663	2225	902	88448
14	31.03.02	26269	62131	11163	1135	74429	2720	1628	105046
15	31.03.03	26767	63951	11633	1178	76762	2720	1628	107877
16	31.03.04	29507	64957	11840	1172	77969	2720	2488	112684
17	31.03.05	30942	67791	11910	1202	80903	2770	3811	118426
18	31.03.06	32326	68518	12690	1202	82410	3360	6191	124287
19	31.03.07	34654	71121	13692	1202	86015	3900	7760	132329
20	31.03.08	35909	76049	14656	1202	91907	4120	11125	143061
21	31.03.09	36846	77649	14876	1200	93725	4120	13242	147933
22	31.03.10 *	36863	84198	17056	1200	102454	4560	15521	159398
23	31.03.12	38990	112022	18381	1200	131603	4780	24504	199877
24	31.03.13	39491	130221	20110	1200	151531	4780	27542	223344
25	31.03.14	40532	145273	21782	1200	168255	4780	31692	245259
26	31.03.15	41267	164636	23062	1200	188898	5780	35777	271722
27	31.03.16	42783	185173	24509	994	210676	5780	42849	302088
28	31.03.17	44479	192163	25329	838	218330	6780	57260	326849
29	31.12.2017	44963	192972	25150	838	218960	6780	60158	330861

Source: Central Electricity Authority

RES: Renewable Energy Sources

: RES:- Renewable Energy Sources includes Hydro capacity of 25.00 MW and below as reported by MNRE.

* : After accounting for derations/uprations etc. and reconciliation with utilities, the installed capacity figure of 36863 MW would work out to 38990 as on 31.03.2012.

Statement 2.15: Annual Gross Generation of Power by Source and by Sector

(in GWh)

Sl. No.	Year	Hydro	Thermal				Nuclear	RES	Total
			Coal/ Lignite	Gas	Diesel	Total			
1	1947	2195	1733	0	144	1877	0	0	4073
2	1950	2519	2387	0	200	2587	0	0	5106
3	1955-56	4295	5134	0	233	5367	0	0	9662
4	1960-61	7837	8732	0	368	9100	0	0	16937
5	1965-66	15225	17372	69	324	17765	0	0	32990
6	1968-69	20723	26394	123	194	26711	0	0	47433
7	1973-74	28972	34853	343	125	35321	2396	0	66689
8	1978-79	47159	52024	515	55	52594	2770	0	102523
9	1979-80	45478	55720	500	53	56273	2876	0	104627
10	1984-85	53948	96957	1834	45	98836	4075	0	156859
11	1989-90	62116	172643	5962	85	178690	4625	6	245438
12	1991-92	72757	197163	11450	95	208708	5525	38	287029
13	1996-97	68901	289378	26985	679	317042	9071	876	395889
14	2001-02	73580	370884	47099	4317	422300	19475	2085	517439
15	2006-07	113502	461794	64157	2539	528490	18,802	9,860	670,654
16	2007-08	120387	486998	69716	3357	560072	16,957	25,210	722,625
17	2008-09	110099	511895	71597	4789	588281	14,927	27,860	741,167
18	2009-10	104059	539586	96373	4248	640208	18,636	36,947	799,851
19	2010-11	114416	561298	100342	3181	664822	26,266	39,245	844,748
20	2011-12	130511	612497	93281	2649	708427	32,287	51,226	922,451
21	2012-13	113720	691341	66664	2449	760454	32,866	57,449	964,489
22	2013-14	134847	745533	44522	1998	792054	34,228	65,520	1,026,649
23	2014-15	129244	835291	41075	1576	877941	36,102	73,563	1,116,850
24	2015-16	121377	895340	47122	551	943013	37413	65781	1167584
25	2016-17(P)	122378	944861	49094	275	994230	37916	81869	1236392

Source: Growth Of Electricity Sector In India From 1947-2017, Central Electricity Authority & Energy Statistics 2017, MOSPI

1. BBMB generation has been considered in State Sector.

2. RES Generation upto 2013-2014 as per normative generation.

3. RES Generation during 2014-2015 onwards are as per actual generation received from utilities.

Statement 2.16 : Domestic Production of Petroleum Products

(000' Tonne)

Sl. No.	Year	Light Distillates	Middle Distillates	Heavy Ends	Others	Total
1	1970-71	2900	8432	5277	501	17110
2	1971-72	3027	9224	5389	999	18639
3	1972-73	3138	9222	5233	267	17860
4	1973-74	3344	9606	5473	1072	19495
5	1974-75	3296	10007	5640	668	19611
6	1975-76	3516	10595	6282	436	20829
7	1976-77	3689	11028	6204	511	21432
8	1977-78	3926	11880	6892	521	23219
9	1978-79	4180	12268	7218	527	24193
10	1979-80	4333	12848	8040	573	25794
11	1980-81	4000	11876	7714	533	24123
12	1981-82	5028	13907	8754	493	28182
13	1982-83	5189	15412	9944	528	31073
14	1983-84	6029	16666	9675	556	32926
15	1984-85	6210	17000	9425	601	33236
16	1985-86	8131	21350	9755	645	39881
17	1986-87	8947	23087	9990	737	42761
18	1987-88	9150	24354	10571	653	44728
19	1988-89	9234	25078	10491	896	45699
20	1989-90	9734	26552	11445	959	48690
21	1990-91	9632	25966	11822	1142	48562
22	1991-92	9216	25764	11953	1416	48349
23	1992-93	9544	26577	13019	1219	50359
24	1993-94	9823	27341	12900	1020	51084
25	1994-95	11223	28186	12430	1088	52927
26	1995-96	11976	29406	12500	1199	55081
27	1996-97	12425	31843	13446	1291	59005
28	1997-98	12618	33448	14113	1129	61308
29	1998-99	13378	35682	14321	1163	64544
30	1999-00	16889	44444	15030	3048	79411
31	2000-01	22066	51760	17270	4518	95614

Contd.

Statement 2.16 : Domestic Production of Petroleum Products

(000' Tonne)

Sl. No.	Year	Light Distillates	Middle Distillates	Heavy Ends	Others	Total
32	2001-02	23657	53878	18223	4246	100004
33	2002-03	24914	55367	18451	5408	104140
34	2003-04	27664	59451	20178	6170	113463
35	2004-05	30727	61948	22127	3777	118579
36	2005-06	34299	63947	21740	4419	124405
37	2006-07	39092	70718	24192	5746	139748
38	2007-08	40923	76124	25322	7103	149472
39	2008-09	41630	79973	27512	6033	155148
40	2009-10	51659	91777	27894	13279	184610
41	2010-11	55042	96045	28592	15142	194821
42	2011-12	55558	101308	31908	14429	203202
43	2012-13	58961	109562	31563	17650	217736
44	2013-14	58810	112820	31199	17927	220756
45	2014-15	59556	113448	29945	18188	221136
46	2015-16	63750	118309	29243	20622	231923
47	2016-17(p)	67865	122985	30112	22589	243551

Note: (p) - Provisional

1. Light Distillates includes Liquified Petroleum Gas , Petrol and Naphtha.
2. Middle Distillates includes Kerosene, Aviation Turbine, Hish Speed Diesel Oil and Light Diesel Oil
3. Heavy Ends includes Fuel Oil, Lubricant, Petroleum Coke and Bitumen
4. Others include waxes, Sulphur, MTO, SBPS, Benzene, LABFS etc.

Source : Ministry of Petroleum & Natural Gas.

Statement 2.17 : Industry-wise off-take of natural gas

(Million Cubic Meters)

Sl No.	Year	Energy Purposes						Non-Energy Purposes					Grand Total	
		Power Generation	Industrial	Tea Plan-tation	Domestic fuel / Transport*	Refinery	Miscel-laneous Sector \$	Total	Fertil-izer	Captive Use/LPG Shrinkage	Sponge Iron	Petro-chemical		Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	2011-12	22628	284	175	5599	4257	9478	42422	14003	1068	1333	1858	18263	60684
2	2012-13	16078	269	182	5780	3891	8363	34562	14733	1027	1106	2486	19352	53915
3	2013-14	11284	156	196	5904	3968	7956	29464	15869	982	274	2405	19530	48994
4	2014-15	10720	395	180	5416	4575	6430	27716	15190	1005	154	2890	19239	46955
5	2015-16	10889	401	187	5464	5077	4665	26683	16135	754	544	3733	21167	47850
6	2016-17(P)	11616	688	-	7350	5374	4506	29535	15429	759	885	4170	21243	50778

Source : Ministry of Petroleum & Natural Gas.

(p): provisional

*: Includes Road Transport Sectors & CGD Sector

\$: Miscellaneous Sector = Manufacture + Internal consumption for pipeline system + others

Note: Sectors where nature gas is being used as feedstock are classified as consumption of gas under non energy purpose whereas those sectors where natural gas is use as fuel are classified as consumption of gas under energy purpose.

Statement 2.18: Availability of crude oil and petroleum products

('000 Tonne)

Sl. No.	Year	Crude Oil			Petroleum Products		
		Production	Net Imports	Gross Availability	Production@	Net Imports	Gross Availability
1	1970-71	6822	11683	18505	17110	752	17862
2	1971-72	7299	12951	20250	18639	2011	20650
3	1972-73	7321	12084	19405	17830	3399	21229
4	1973-74	7189	13855	21044	19495	3387	22882
5	1974-75	7684	14016	21700	19603	2473	22076
6	1975-76	8448	13624	22072	20829	2048	22877
7	1976-77	8898	14048	22946	21432	2550	23982
8	1977-78	10763	14507	25270	23219	2832	26051
9	1978-79	11633	14657	26290	24193	3834	28027
10	1979-80	11766	16121	27887	25794	4636	30430
11	1980-81	10507	16248	26755	24123	7253	31376
12	1981-82	16194	14460	30654	28182	4829	33011
13	1982-83	21063	12397	33460	31073	4233	35306
14	1983-84	26020	10445	36465	32926	2856	35782
15	1984-85	28990	7164	36154	33236	5159	38395
16	1985-86	30168	14616	44784	39881	1902	41783
17	1986-87	30480	15476	45956	42761	556	43317
18	1987-88	30357	17734	48091	44728	739	45467
19	1988-89	32040	17815	49855	45699	4200	49899
20	1989-90	34087	19490	53577	48690	3971	52661
21	1990-91	32160	20699	52859	48562	6012	54574
22	1991-92	30345	23994	54339	48349	6509	54858
23	1992-93	26950	29247	56197	50359	7564	57923
24	1993-94	27026	30822	57848	51084	8042	59126
25	1994-95	32494	27349	59843	52927	10697	63624
26	1995-96	35168	27342	62510	55081	16900	71981
27	1996-97	32900	33906	66806	59005	17103	76108
28	1997-98	33858	34493	68351	61308	20589	81897
29	1998-99	32722	39808	72530	64544	23052	87596
30	1999-00	31949	57805	89754	79411	15862	95273
31	2000-01	32426	74097	106523	95614	902	96516
32	2001-02	32032	78706	110738	100004	-3056	96948
33	2002-03	33044	81989	115033	104140	-3061	101079
34	2003-04	33373	90434	123807	113463	-6619	106844
35	2004-05	33981	95861	129842	118579	-9383	109196
36	2005-06	32190	99409	131599	124405	-10020	114385
37	2006-07	33988	111502	145490	139748	-15964	123784
38	2007-08	34118	121672	155790	149472	-18317	131155
39	2008-09	33508	132775	166284	155148	-20358	134789
40	2009-10	33690	159259	192949	184610	-36490	148120
41	2010-11	37684	163595	201279	194821	-41698	153123
42	2011-12	38090	171729	209819	203202	-44988	158214
43	2012-13	37862	184795	222657	217736	-47054	170683
44	2013-14	37788	189238	227027	220756	-51167	169589
45	2014-15	37461	189435	226896	221136	-42631	178505
46	2015-16	36942	202850	239792	231923	-31083	200840
47	2016-17 (P)	36009	213932	249941	243551	-29637	213914

Source : Indian Petroleum & Natural Gas Statistics 2016-17, Ministry of Petroleum & Natural Gas.

(P) : Provisional

@ : Excludes LPG production from natural gas.

Statement 2.19: Gross and net production of natural gas

(Million cubic metres)

Sl. No.	Year	Gross Production	Re-injected *	Flared	Net Production
1	2	3	4	5	6
1	1970-71	1445	36	744	667
2	1971-72	1535	49	768	718
3	1972-73	1565	141	653	771
4	1973-74	1713	115	836	762
5	1974-75	2041	139	951	951
6	1975-76	2368	160	1084	1124
7	1976-77	2428	190	857	1381
8	1977-78	2839	184	1191	1464
9	1978-79	2812	148	953	1711
10	1979-80	2767	127	964	1676
11	1980-81	2358	43	793	1522
12	1981-82	3851	110	1519	2222
13	1982-83	4936	91	1888	2957
14	1983-84	5961	45	2515	3401
15	1984-85	7241	48	3052	4141
16	1985-86	8134	66	3118	4950
17	1986-87	9853	63	2715	7075
18	1987-88	11467	54	3445	7968
19	1988-89	13217	84	3883	9250
20	1989-90	16988	96	5720	11172
21	1990-91	17998	102	5131	12765
22	1991-92	18644	132	4072	14410
23	1992-93	18061	90	1854	16117
24	1993-94	18336	71	1924	16341
25	1994-95	19468	23	2108	17337
26	1995-96	22642	0	1710	20932
27	1996-97	23256	0	1932	21354
28	1997-98	26401	0	1856	24545
29	1998-99	27428	0	1722	25706
30	1999-00	28446	0	1561	26886
31	2000-01	29477	0	1617	27860
32	2001-02	29714	0	1677	28037
33	2002-03	31389	0	1426	29963
34	2003-04	31962	0	1056	30906
35	2004-05	31763	0	988	30775
36	2005-06	32202	4467	877	26858
37	2006-07	31747	4372	956	26419
38	2007-08	32417	4499	938	26981
39	2008-09	32845	4680	1099	27066
40	2009-10	47496	5661	975	40874
41	2010-11	52219	5211	968	46040
42	2011-12	47559	5313	1077	41168
43	2012-13	40679	5429	902	34348
44	2013-14	35407	5654	769	28984
45	2014-15	33657	6013	865	26780
46	2015-16	32249	5946	1007	25297
47	2016-17 (P)	31897	5928	977	24992

Source : Ministry of Petroleum & Natural Gas.

Note: Re-injected's (internal use) figures for the year 1995-96 to 2004-05 is not available.

(P) : Provisional

* : Re-injected=Internal use +Losses

Statement 2.20 :State-wise solar photovoltaic systems installed

(upto 31.12.2016)

S. No.	State/UT	Solar photovoltaic systems (numbers)				
		Lanterns	Home lights	Street lights	Pumps	Stands alone power plant
1	Andhra Pradesh	51360	22972	7812	8952	3786
2	Arunachal Pradesh	14433	18945	1671	22	600
3	Assam	1121	6926	318	45	1605
4	Bihar	50117	12303	955	2882	3969
5	Chhattisgarh	3311	7754	2042	5388	27868
6	Delhi	4807	0	301	90	1269
7	Goa	1093	393	707	15	33
8	Gujarat	31603	9253	2004	7620	13577
9	Haryana	93853	56727	22018	543	2321
10	Himachal Pradesh	33909	22592	58508	6	1391
11	Jammu & Kashmir	51224	65319	5806	39	7720
12	Jharkhand	23374	9450	620	2901	3540
13	Karnataka	7334	49644	2694	3200	4676
14	Kerala	54367	40412	1735	810	13894
15	Madhya Pradesh	9444	4016	9378	3813	3654
16	Maharashtra	68683	3497	10420	1503	3858
17	Manipur	4787	3900	1888	40	1241
18	Meghalaya	24875	7844	1273	19	885
19	Mizoram	9589	6801	5056	37	1719
20	Nagaland	6766	1045	6235	3	1506
21	Odisha	9882	5274	5834	6673	568
22	Punjab	17495	8626	21758	1857	1950
23	Rajasthan	4716	151964	6852	37306	10850
24	Sikkim	23300	15059	504	0	850
25	Tamil Nadu	16818	226946	36802	4763	12753
26	Telangana	0	0	244	424	5368
27	Tripura	64282	32723	1199	151	612
28	Uttar Pradesh	62015	235909	185091	8958	10041
29	Uttarakhand	93927	91595	21905	26	1534
30	West Bengal	17662	145332	8726	653	1730
31	Andaman & Nicobar	6296	468	390	5	167
32	Chandigarh	1675	275	898	12	730
33	Lakshadweep	5289	0	1725	0	2190
34	Puducherry	1637	25	417	21	121
35	Others	125797	24047	9150	0	23885
36	NABARD	0	108000	0	1744	0
Total		996841	1396036	442936	100521	172458

Source: Annual Report 2016-17, Ministry of New and Renewable Energy.

**Statement 2.21 : State-wise details of small hydro power projects Setup
& Under Implementation**

(as on 31.03.2015)

Sr. No	States	Potential		Projects set-up		Project under Implementation	
		No.	Capacity (MegaWatt)	No.	Capacity (MegaWatt)	No	Capacity (MW)
1	Andhra Pradesh & Telangana	387	978.4	70	232.23	11	20.84
2	Arunachal Pradesh	677	1341.38	152	104.61	41	21.53
3	Assam	119	238.69	6	34.11	3	12
4	Bihar	93	223.05	29	70.70	5	17.7
5	Chhattisgarh	200	1107.15	9	52.00	5	115.25
6	Goa	6	6.5	1	0.05	-	-
7	Gujarat	292	201.97	6	16.60	-	-
8	Haryana	33	110.05	9	73.50	-	-
9	Himachal Pradesh	531	2397.91	176	754.81	15	0.3
10	Jammu & Kashmir	245	1430.67	39	156.53	5	8.65
11	Jharkhand	103	208.95	6	4.05	8	34.85
12	Karnataka	834	4141.12	161	1179.93	9	26.8
13	Kerala	245	704.1	29	198.92	6	9.25
14	Madhya Pradesh	299	820.44	11	86.16	3	4.9
15	Maharashtra	274	794.33	60	336.87	7	34.25
16	Manipur	114	109.13	8	5.45	3	2.75
17	Meghalaya	97	230.05	4	31.03	3	1.7
18	Mizoram	72	168.9	18	36.47	1	0.5
19	Nagaland	99	196.98	11	29.67	3	3.2
20	Odisha	222	295.47	10	64.63	4	3.6
21	Punjab	259	441.38	48	157.40	10	18.25
22	Rajasthan	66	57.17	10	23.85	-	-
23	Sikkim	88	266.64	17	52.11	1	0.2
24	Tamil Nadu	197	659.51	21	123.05	-	-
25	Tripura	13	46.86	3	16.01	-	-
26	Uttar Pradesh	251	460.75	9	25.10	1	1.5
27	Uttarakhand	448	1707.87	101	209.32	44	139.54
28	West Bengal	203	396.11	24	98.50	16	84.15
29	Andaman and Nicobar Islands	7	7.91	1	5.25	-	-
	Total	6474	19749.44	1049	4176.91	204	561.71

Source: Annual Report 2015-16, Ministry of New and Renewable Energy

Statement 2.21 : State-wise details of small hydro power projects Setup & Under Implementation

(as on 31.12.2016)

Sl. No	States	Potential		Projects set-up		Project under Implementation	
		Nos.	Capacity (MegaWatt)	Nos.	Capacity (MegaWatt)	Nos.	Capacity (MW)
1	Andhra Pradesh & Telangana	387	978.40	72	241.98	5	17.70
2	Arunachal Pradesh	677	1341.38	152	104.61	17	54.05
3	Assam	119	238.69	6	34.11	5	33.00
4	Bihar	93	223.05	29	70.70	10	8.30
5	Chhattisgarh	200	1107.15	10	76.00	1	24.00
6	Goa	6	6.50	1	0.05	0	0.00
7	Gujarat	292	201.97	6	16.60	13	92.31
8	Haryana	33	110.05	9	73.50	1	0.10
9	Himachal Pradesh	531	2397.91	180	798.81	27	211.00
10	Jammu & Kashmir	245	1430.67	40	158.03	25	45.15
11	Jharkhand	103	208.95	6	4.05	0	0.00
12	Karnataka	834	4141.12	166	1220.73	3	13.40
13	Kerala	245	704.10	31	205.02	9	74.02
14	Madhya Pradesh	299	820.44	11	86.16	0	0.00
15	Maharashtra	274	794.33	64	346.18	16	54.15
16	Manipur	114	109.13	8	5.45	0	0.00
17	Meghalaya	97	230.05	4	31.03	2	25.50
18	Mizoram	72	168.90	19	41.47	4	8.70
19	Nagaland	99	196.98	12	30.67	8	3.75
20	Odisha	222	295.47	10	64.63	3	18.50
21	Punjab	259	441.38	54	170.90	12	30.00
22	Rajasthan	66	57.17	10	23.85	0	0.00
23	Sikkim	88	266.64	17	52.11	2	15.00
24	Tamil Nadu	197	659.51	21	123.05	0	0.00
25	Tripura	13	46.86	3	16.01	0	0.00
26	Uttar Pradesh	251	460.75	9	25.10	1	1.50
27	Uttarakhand	448	1707.87	101	209.32	5	19.60
28	West Bengal	203	396.11	24	98.50	0	0.00
29	Andaman and Nicobar Islands	7	7.91	1	5.25	0	0.00
	Total	6474	19749.44	1076	4333.86	169	749.73

Source: Annual Report 2016-17, Ministry of New and Renewable Energy

Statement 2.22: Source-wise and State-wise estimated potential of Renewable Power in India

(Mega Watts)

S. No.	States/ UTs	Wind Power	Small Hydro Power	Bio-mass Power	Cogen-eration bagasse	Waste to Energy	Solar	Total	Distribu-tion (%)
1	Andhra Pradesh	14497	978	578	300	123	38440	54916	6.12
2	Arunachal Pradesh	236	1341	8	0	0	8650	10236	1.14
3	Assam	112	239	212	0	8	13760	14330	1.60
4	Bihar	144	223	619	300	73	11200	12559	1.40
5	Chhattisgarh	314	1107	236	0	24	18270	19951	2.23
6	Goa	0	7	26	0	0	880	912	0.10
7	Gujarat	35071	202	1221	350	112	35770	72726	8.11
8	Haryana	93	110	1331	350	24	4560	6470	0.72
9	Himachal Pradesh	64	2398	142	0	2	33840	36446	4.06
10	Jammu & Kashmir	5685	1431	43	0	0	111050	118208	13.18
11	Jharkhand	91	209	90	0	10	18180	18580	2.07
12	Karnataka	13593	4141	1131	450	0	24700	44015	4.91
13	Kerala	837	704	1044	0	36	6110	8732	0.97
14	Madhya Pradesh	2931	820	1364	0	78	61660	66853	7.46
15	Maharashtra	5961	794	1887	1250	287	64320	74500	8.31
16	Manipur	56	109	13	0	2	10630	10811	1.21
17	Meghalaya	82	230	11	0	2	5860	6185	0.69
18	Mizoram	0	169	1	0	2	9090	9261	1.03
19	Nagaland	16	197	10	0	0	7290	7513	0.84
20	Odisha	1384	295	246	0	22	25780	27728	3.09
21	Punjab	0	441	3172	300	45	2810	6768	0.75
22	Rajasthan	5050	57	1039	0	62	142310	148518	16.56
23	Sikkim	98	267	2	0	0	4940	5307	0.59
24	Tamil Nadu	14152	660	1070	450	151	17670	34152	3.81
25	Telangana						20410	20410	2.28
26	Tripura	0	47	3	0	2	2080	2131	0.24
27	Uttar Pradesh	1260	461	1617	1250	176	22830	27593	3.08
28	Uttarakhand	534	1708	24	0	5	16800	19071	2.13
29	West Bengal	22	396	396	0	148	6260	7222	0.81
30	Andaman & Nicobar	365	8	0	0	0	0	373	0.04
31	Chandigarh	0	0	0	0	6	0	6	0.00
32	Dadar & Nagar Haveli	0	0	0	0	0	0	0	0.00
33	Daman & Diu	4	0	0	0	0	0	4	0.00
34	Delhi	0	0	0	0	131	2050	2181	0.24
35	Lakshadweep	0	0	0	0	0	0	0	0.00
36	Puducherry	120	0	0	0	3	0	123	0.01
37	Others	0	0	0	0	1022	790	1812	0.20
	All India Total	102772	19749	17536	5000	2556	748990	896602	
	Distribution (%)	11.46	2.20	1.96	0.56	0.29	83.54	100.00	100.00

Source: Annual Report 2016-17, Ministry of New and Renewable Energy

Statement 2.23 :State-wise Installed Capacity of Grid Interactive Renewable Power

(as on 31st March)

States / UTs	Small Hydro Power (MW)		Wind Power (MW)		Bio-Power-BM Power/Cogen (MW)		Bio-Power-Waste to Energy (MW)		Solar Power (MWp)		Total Capacity (MW)	
	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016
Andhra Pradesh	223.23	232.98	1032.00	1431.45	389.75	380.75	58.16	58.16	242.86	572.96	1946.00	2676.30
Arunachal Pradesh	104.61	104.61	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.27	104.64	104.88
Assam	34.11	34.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00		34.11	34.11
Bihar	70.70	70.70	0.00	0.00	43.42	43.42	0.00	0.00	0.00	5.10	114.12	119.22
Chhattisgarh	52.00	52.00	0.00	0.00	264.90	279.90	0.00	0.00	7.60	93.58	324.50	425.48
Goa	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05
Gujarat	16.60	16.60	3645.00	4037.50	55.90	56.30	0.00	0.00	1000.05	1119.17	4717.55	5229.57
Haryana	71.50	73.50	0.00	0.00	52.30	45.30	0.00	0.00	12.80	15.39	136.60	134.19
Himachal Pradesh	723.91	793.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	723.91	793.51
Jammu & Kashmir	156.53	156.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	156.53	157.53
Jharkhand	4.05	4.05	0.00	0.00	0.00	0.00	0.00	0.00	16.00	16.19	20.05	20.24
Karnataka	1129.73	1217.73	2638.00	2869.15	664.28	872.18	1.00	1.00	77.22	145.46	4510.23	5105.52
Kerala	168.92	198.92	35.00	43.50	0.00	0.00	0.00	0.00	0.03	13.05	203.95	255.47
Madhya Pradesh	86.16	86.16	880.00	2141.10	36.00	35.00	3.90	3.90	558.58	776.37	1564.64	3042.53
Maharashtra	335.43	339.88	4446.00	4654.15	1033.40	1220.78	12.72	12.72	360.75	385.76	6188.30	6613.28
Manipur	5.45	5.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.45	5.45
Meghalaya	31.03	31.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.03	31.03
Mizoram	36.47	36.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	36.47	36.57
Nagaland	29.67	30.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.67	30.67
Odisha	64.63	64.63	0.00	0.00	20.00	20.00	0.00	0.00	31.76	66.92	116.39	151.55
Punjab	157.40	170.90	0.00	0.00	140.50	155.50	10.25	10.25	185.27	405.06	493.42	741.71

Contd.

Statement 2.23 :State-wise Installed Capacity of Grid Interactive Renewable Power

(as on 31st March)

States / UTs	Small Hydro Power (MW)		Wind Power (MW)		Bio-Power-BM Power/Cogen (MW)		Bio-Power-Waste to Energy (MW)		Solar Power (MWp)		Total Capacity (MW)	
	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016
Rajasthan	23.85	23.85	3309.00	3993.95	111.30	108.30	0.00	0.00	942.10	1269.93	4386.25	5396.03
Sikkim	52.11	52.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.11	52.11
Tamil Nadu	123.05	123.05	7455.00	7613.86	662.30	641.90	8.05	8.05	142.58	1061.82	8390.98	9448.68
Telangana	0.00	0.00	0.00	77.70	0.00	0.00	0.00	0.00	61.25	527.84	61.25	605.54
Tripura	16.01	16.01	0.00	0.00	0.00	0.00	0.00	0.00	5.00	5.00	21.01	21.01
Uttar Pradesh	25.10	25.10	0.00	0.00	888.50	870.00	5.00	5.00	71.26	143.50	989.86	1043.60
Uttarakhand	209.32	209.33	0.00	0.00	30.00	76.00	0.00	0.00	5.00	41.15	244.32	326.48
West Bengal	98.50	98.50	0.00	0.00	26.00	26.00	0.00	0.00	7.21	7.77	131.71	132.27
Andaman & Nicobar	5.25	5.25	0.00	0.00	0.00	0.00	0.00	0.00	5.10	5.10	10.35	10.35
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.50	6.81	4.50	6.81
Dadar & Nagar Haveli	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daman & Diu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00	4.00
Delhi	0.00	0.00	0.00	0.00	0.00	0.00	16.00	16.00	5.47	14.28	21.47	30.28
Lakshawadeep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.75	0.75	0.75
Puducherry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.03	0.03
Others	0.00	0.00	4.00	4.30	0.00	0.00	0.00	0.00	0.79	58.31	4.79	62.61
Total(MW)	4055.37	4273.47	23444.00	26866.66	4418.55	4831.33	115.08	115.08	3743.99	6762.87	35776.99	42849.40

Source: Ministry of New and Renewable Energy

0.0 : Not Available or indeterminate value

MW: Mega-Watt

MWp: Mega-Watt Peak

Statement 2.24 :Energy Balance of India for 2015-16 (P)

(All figures in Ktoe)

	Coal	Crude Oil	Oil Products	Natural Gas	Nuclear	Hydro	Solar, Wind, Others	Electricity	Total
Production	2,39,112.66	36,950.00	-	29,664.69	9,750.32	10,447.88	35,413.60	-	3,61,339.15
Imports	1,29,326.88	2,02,850.00	29,157.69	20,210.19	-	-	-	450.98	3,81,995.74
Exports	-841.93	-	-62,554.05	-	-	-	-	-442.90	-63,838.88
International marine bunkers	-	-	-585.07	-	-	-	-	-	-585.07
International aviation bunkers	-	-	-	-	-	-	-	-	-
Stock changes	-3,506.13	-	-	-	-	-	-	-	-3,506.13
Total primary energy supply	3,64,091.47	2,39,800.00	-33,981.42	49,874.88	9,750.32	10,447.88	35,413.60	8.08	6,75,404.81
Statistical differences	2,06,152.75	-6,935.00	-5,966.04	-5,860.82	-	0.00	-	29,461.19	2,16,852.08
Main activity producer electricity plants	-3,50,947.31	-	-750.63	-10,016.32	-9,750.32	-10,438.42	-35,413.60	68,480.17	-3,48,836.43
Autoproducer electricity plants	-	-	-	-	-	-9.46	-	8,867.29	8,857.83
Oil refineries	-	-2,32,865.00	2,30,456.44	-	-	-	-	-	-2,408.56
Energy industry own use	-194.30	-	-1,224.50	-8,450.73	-	-	-	-	-9,869.52
Losses	-	-	-	-	-	-	-	-20,714.30	-20,714.30
Final consumption	2,19,102.62	-	1,88,533.85	25,547.01	-	-	-	86,102.43	5,19,285.91
Industry	2,19,102.62	-	39,500.80	501.62	-	-	-	36,422.98	2,95,528.02
Iron and steel	43,251.72	-	1,104.93	-	-	-	-	-	44,356.65
Chemical and petrochemical	1,830.75	-	12,255.85	-	-	-	-	-	14,086.60
Non-ferrous metals	-	-	373.51	-	-	-	-	-	373.51
Machinery	-	-	559.44	-	-	-	-	-	559.44
Mining and quarrying	-	-	50.89	-	-	-	-	-	50.89
Paper, pulp and print	908.57	-	-	-	-	-	-	-	908.57
Construction	6,210.08	-	225.38	-	-	-	-	-	6,435.46
Textile and leather	574.50	-	116.25	-	-	-	-	-	690.75

Contd.

Statement 2.24 :Energy Balance of India for 2015-16 (P)

(All figures in Ktoe)

	Coal	Crude Oil	Oil Products	Natural Gas	Nuclear	Hydro	Solar, Wind, Others	Electricity	Total
Non-specified (industry)	1,66,327.01	-	24,814.54	501.62	-	-	-	36,422.98	2,28,066.15
Transport	-	-	36,268.71	376.75	-	-	-	1,427.08	38,072.55
Road	-	-	26,375.69	-	-	-	-	-	26,375.69
Domestic aviation	-	-	5,983.65	-	-	-	-	-	5,983.65
Rail	-	-	2,822.29	-	-	-	-	1,427.08	4,249.37
Pipeline transport	-	-	-	376.75	-	-	-	-	376.75
Domestic navigation	-	-	698.25	-	-	-	-	-	698.25
Non-specified (transport)	-	-	388.84	-	-	-	-	-	388.84
Other	-	-	1,12,764.35	5,198.93	-	-	-	48,252.36	1,66,215.64
Residential	-	-	26,367.03	5,026.00	-	-	-	20,543.34	51,936.37
Commercial and public services	-	-	-	-	-	-	-	7,399.18	7,399.18
Agriculture/forestry	-	-	714.19	172.93	-	-	-	14,893.91	15,781.03
Fishing	-	-	-	-	-	-	-	-	-
Non-specified (other)	-	-	85,683.13	-	-	-	-	5,415.94	91,099.07
Non-energy use	-	-	-	19,469.70	-	-	-	-	19,469.70
Non-energy use industry/ transformation/en	-	-	-	19,469.70	-	-	-	-	19,469.70
Elect. output in GWh	-	-	-	-	-	1,21,487.00	4,11,786.00	-	5,70,687.00
Elec output-main activity producer ele plants	-	-	-	-	37,414.00	1,21,377.00	4,11,786.00	-	5,70,577.00
Elec output-autoproducer electricity plants	-	-	-	-	-	110.00	-	-	110.00

Source : Energy Statistics 2017, Ministry of Statistics and Programme Implementation

Ktoe: Kilo Tonne of oil equivalent

Statement 2.25 : Number of towns and villages electrified in India

(As on 31.03.2017)

Sl. No.	State/Union Territory	Towns		Villages		Percentage Electrified %
		Total (as per 2011 Census)	Electrified	Total (as per 2011 Census)	Electrified as on 31.03.2017	
1	2	3	4	5	6	
I.	Northern Region	1999	1999	199959	199661	99.85
1	Chandigarh	6	6	5	5	100.00
2	Delhi	113	113	103	103	100.00
3	Haryana	154	154	6642	6642	100.00
4	Himachal Pradesh	59	59	17882	17875	100.00
5	Jammu & Kashmir	122	122	6337	6235	98.39
6	Punjab	217	217	12168	12168	100.00
7	Rajasthan	297	297	43264	43195	100.00
8	Uttar Pradesh	915	915	97813	97751	99.99
9	Uttarakhand	116	116	15745	15687	99.63
II.	Western Region	1625	1625	130699	130219	99.63
1	Chhattisgarh	182	182	19567	19186	98.05
2	Dadra & Nagar Haveli	6	6	65	65	100.00
3	Daman & Diu	8	8	19	19	100.00
4	Goa	70	70	320	320	100.00
5	Gujarat	348	348	17843	17843	100.00
6	Madhya Pradesh	476	476	51929	51830	99.81
7	Maharashtra	535	535	40956	40956	100.00
III.	Southern Region	2333	2333	69845	69820	99.96
1	Andhra Pradesh	195	195	16158	16158	100.00
2	Karnataka	347	347	27397	27372	99.91
3	Kerala	520	520	1017	1017	100.00
4	Lakshadweep	6	6	6	6	100.00
5	Puducherry	10	10	90	90	100.00
6	Tamil Nadu	1097	1097	15049	15049	100.00
7	Telangana	158	158	10128	10128	100.00
IV.	Eastern Region	1573	1573	154526	152295	98.56
1	A & N Islands	5	5	396	396	100.00
2	Bihar	199	199	39073	38636	98.88
3	Jharkhand	228	228	29492	28821	97.72
4	Odisha	223	223	47677	46559	97.66
5	Sikkim	9	9	425	425	100.00
6	West Bengal	909	909	37463	37458	99.99
V.	North-Eastern Region	405	405	42435	40140	94.59
1	Arunachal Pradesh	27	27	5258	4029	76.63
2	Assam	214	214	25372	24640	97.11
3	Manipur	51	51	2379	2299	96.64
4	Meghalaya	22	22	6459	6229	96.44
5	Mizoram	23	23	704	686	97.44
6	Nagaland	26	26	1400	1394	99.57
7	Tripura	42	42	863	863	100.00
Total (All India)		7935	7935	597464	592135	99.11

Source : General Review 2017, Central Electricity Authority

Statement 2.26 : Decentralised/off-grid renewable energy systems devices

(Nos. in lakh)

(as on 31.03.2016)

State	Bio-gas Plants	Water Pumping/Wind Mills#	SPV Pumps	Solar Photovoltaic (SPV) Systems				Aero-gen. Hybrid System
				SLS	HLS	SL	PP	
	Nos.)	(Nos.)	(Nos.)	(Nos.)	(Nos.)	(Nos.)	(KWP)	(Nos.)
Andhra Pradesh	5.32	6.0	615	0.1	0.2	0.5	3632.6	16.00
Arunachal Pradesh	0.03	0.0	18	0.0	0.2	0.1	600.1	6.80
Assam	1.14	3.0	45	0.0	0.1	0.0	1605.0	6.00
Bihar	1.30	46.0	1,666	0.0	0.1	0.5	1021.6	-
Chhattisgarh	0.51	1.0	435	0.0	0.1	0.0	22898.7	-
Goa	0.04	0.0	15	0.0	0.0	0.0	32.7	193.80
Gujarat	4.30	945.0	268	0.0	0.1	0.3	13576.6	20.00
Haryana	0.61	0.0	543	0.2	0.6	0.9	2321.3	10.00
Himachal Pradesh	0.47	0.0	6	0.3	0.2	0.4	1512.5	-
Jammu & Kashmir	0.03	0.0	39	0.1	0.7	0.5	7561.9	46.40
Jharkhand	0.07	0.0	-	0.0	0.1	0.2	3539.9	-
Karnataka	4.79	28.0	551	0.0	0.5	0.1	4676.4	39.20
Kerala	1.44	79.0	810	0.0	0.4	0.5	3894.4	8.00
Madhya Pradesh	3.54	0.0	87	0.1	0.0	0.1	2726.0	24.00
Maharashtra	8.71	26.0	251	0.1	0.0	0.7	3857.7	1613.00
Manipur	0.02	-	40	0.0	0.0	0.0	1241.0	140.00
Meghalaya	0.10	-	19	0.0	0.1	0.2	884.5	191.50
Mizoram	0.05	-	37	0.0	0.1	0.1	1185.0	-
Nagaland	0.08	-	3	0.0	0.0	0.1	1292.0	20.00
Odisha	2.66	-	57	0.1	0.1	0.1	567.5	13.10
Punjab	1.72	-	1857	0.1	0.1	0.2	1202.0	50.00
Rajasthan	0.70	222.0	27323	0.1	1.4	0.0	15540.0	14.00
Sikkim	0.09	-	-	0.0	0.2	0.2	795.0	15.50
Tamil Nadu	2.22	60.0	1245	0.4	1.3	0.2	7297.6	157.90
Telangana	0.10	-	-	-	-	-	1833.0	-
Tripura	0.03	-	155	0.0	0.3	0.6	369.0	2.00
Uttar Pradesh	4.39	-	1516	1.8	2.4	0.6	6263.5	-
Uttarakhand	0.18	-	26	0.2	0.9	0.9	628.0	24.00
West Bengal	3.67	-	48	0.1	1.5	0.2	1126.0	74.00
Andaman & Nicobar	0	2.0	5	0.0	0.0	0.1	167.0	-
Chandigarh	0	-	12	-	-	-	730.0	-
Dadar & Nagar Haveli	0	-	-	-	-	-	0.0	-
Daman & Diu	-	-	-	-	-	-	0.0	-
Delhi	0.01	-	90	-	-	-	1269.0	-
Lakshadweep	-	-	-	-	-	0.1	1090.0	-
Puducherry	0.01	-	21	-	-	-	40.0	5.00
Others*	-	-	-	0.1	1.3	1.3	23885.0	-
Total	48.35	1418.08	37803.00	3.96	12.86	10.01	140862.44	2690.80

Source : Energy Statistics 2017, Ministry of Statistics & Programme Implementation & Central Electricity Authority

SLS = Street Lighting System; HLS = Home Lighting System; SL = Solar Lantern; PP = Power Plants; SPV = Solar Photovoltaic; KWP = Kilowatt peak

*Others includes installations through NGOs/IREDA in different states.

Data reported for the year 2012.

Contd.

Statement 2.26 : Decentralised/off-grid renewable energy systems devices

(Nos. in lakh)

(as on 31.03.2016)

State	Solar Cooker#	Biomass Gasifiers (Rural+Industrial)	Biomass (non bagasse)	Waste to Energy	Village Electrification Villages	Percentage of village electified
	(Nos.)	(Nos.)	(Nos.)	(Nos.)	(Nos.)	(KWP)
Andhra Pradesh	23.15	22914	99.00	23.01	16158	100
Arunachal Pradesh	0.03	750	-	-	3854	73.3
Assam		2933	-	-	23422	92.3
Bihar		11688	8.20	1	38080	97.5
Chhattisgarh	4.00	1210	2.50	0.33	18892	96.6
Goa	1.69	-	-	-	320	100
Gujarat	824.09	21530	-	15.83	17843	100
Haryana	7.80	5423	77.10	4	6642	100
Himachal Pradesh	-	-	7.20	1	17848	99.8
Jammu & Kashmir	-	200	-	-	6230	98.3
Jharkhand	16.00	500	4.30	-	27717	94
Karnataka	14.00	7447	15.20	9.63	27358	99.9
Kerala	0.03	-	0.70	-	1017	100
Madhya Pradesh	11.75	11618	12.40	0.47	51671	99.5
Maharashtra	34.50	7150	16.40	22.05	40956	100
Manipur	-	-	-	-	2178	91.6
Meghalaya	-	250	13.80	-	5548	85.9
Mizoram	-	250	-	-	662	94
Nagaland	-	2100	-	-	1318	94.1
Odisha	13.00	270	8.20	0.02	45467	95.3
Punjab	9.33	-	123.10	7.98	12168	100
Rajasthan	222.90	3088	2.00	3.70	42932	99.2
Sikkim	-	-	-	-	425	100
Tamil Nadu	17.06	16262	24.10	13.10	15049	100
Telangana	-	-	-	-	846	98
Tripura	-	1050	-	-	10128	100
Uttar Pradesh	12.38	35852	170.40	46.18	97589	99.8
Uttarakhand	5.05	2150	47.50	5.02	15669	99.5
West Bengal	2.00	36368	19.90	1.16	37449	100
Andaman & Nicobar	-	-	-	-	396	100
Chandigarh	-	-	-	-	5	100
Dadar & Nagar Haveli	-	-	-	-	65	100
Daman & Diu	-	-	-	-	19	100
Delhi	2.53	-	-	-	103	100
Lakshadweep	-	250	-	-	6	100
Puducherry	-	-	-	-	90	100
Others*	-	-	-	-	-	-
Total	1221.26	191253	651.90	154.48	586120	98.10

Source : Energy Statistics 2017, Ministry of Statistics & Programme Implementation & Central Electricity Authority

SLS = Street Lighting System; HLS = Home Lighting System; SL = Solar Lantern; PP = Power Plants; SPV = Solar Photovoltaic; KWP = Kilowatt peak

*Others includes installations through NGOs/IREDA in different states.

Data reported for the year 2012.

Statement 2.27 : Per 1000 distribution of households by primary source of energy for cooking (Rural)

(For Year 2007-08)

States/UT	primary source of energy for cooking										estd. No of hhs (00)	no. of sample hhs
	No cooking arrangement	coke, coal and charcoal	fire wood and chips	L.P.G.	gobar gas	dung-cake	kero-sene	electricity	others	not recorded	all	
Andhra Pradesh	42	1	806	136	3	2	6	0	4	0	1000	2239
Arunachal Pradesh	0	3	805	168	0	0	4	0	2	18	1000	348
Assam	0	0	862	138	0	0	0	0	0	0	1000	800
Bihar	1	12	550	20	0	283	3	0	130	1	1000	2844
Chhattisgarh	25	2	955	7	3	3	2	0	0	2	1000	640
Gujarat	14	4	812	132	6	8	24	0	0	0	1000	1084
Haryana	7	0	630	137	1	222	0	0	3	0	1000	572
Himachal Pradesh	42	0	689	255	0	0	10	4	0	0	1000	672
Jammu & Kashmir	0	4	696	168	0	128	2	1	0	0	1000	472
Jharkhand	6	124	847	13	0	9	0	0	1	0	1000	851
Karnataka	60	0	857	68	6	0	5	0	4	0	1000	1180
Kerala	9	0	745	219	4	0	2	0	19	2	1000	896
Madhya Pradesh	6	1	886	47	1	58	2	0	0	0	1000	1779
Maharashtra	32	1	781	150	5	0	9	0	22	0	1000	2014
Manipur	0	0	671	326	0	0	3	0	0	0	1000	768
Meghalaya	0	11	941	35	0	3	9	1	0	0	1000	512
Nagaland	0	0	579	415	0	0	3	0	3	0	1000	512
Orissa	34	5	874	15	0	31	2	1	36	0	1000	1532

Contd.

Statement 2.27 : Per 1000 distribution of households by primary source of energy for cooking (Rural)

(For Year 2007-08)

States/UT	No cooking arrangement	primary source of energy for cooking								not recorded	all	estd. No of hhs (00)	no.of sample hhs
		coke, coal and charcoal	fire wood and chips	L.P.G.	gobar gas	dung-cake	kerosene	electricity	others				
Punjab	14	0	326	295	6	333	9	3	15	0	1000	33812	704
Rajasthan	18	0	927	47	0	4	4	0	0	0	1000	87089	1501
Sikkim	9	0	605	326	0	0	49	6	5	0	1000	1107	480
Tamil Nadu	27	0	782	169	0	0	22	0	0	0	1000	95794	1436
Tripura	3	5	915	65	0	2	10	0	0	0	1000	6747	864
Uttar Pradesh	4	0	764	39	1	176	1	0	16	0	1000	247744	3611
Uttarakhand	9	0	693	220	1	57	20	0	0	0	1000	13701	412
West Bengal	5	36	785	42	1	42	7	0	83	0	1000	134337	2203
North- Eastern States	1	4	819	162	0	1	9	1	1	2	1000	19019	3740
Union Territories	34	0	498	252	0	0	215	0	0	0	1000	2445	372
All India	17	8	776	91	2	74	6	0	26	0	1000	1592612	31673

Source : NSS Report No. 530: Household Consumer Expenditure in India, 2007-08

Statement 2.27 : Per 1000 distribution of households by primary source of energy for cooking (Rural)

(For Year 2009-10)

States/UT	Primary source of energy for cooking										Estd. No of house holds (00)	No.of sample house holds surveyed		
	Coke, Coal	Fire wood and chips	L.P.G.	Gobar gas	Dung-cake	Char-coal	Kero-sene	Electricity	Others	No cooking arrange-ment			all	
Andhra Pradesh	1	749	194	1	0	0	0	7	1	0	47	1000	148374	3924
Arunachal Pradesh	0	758	238	0	0	0	0	1	0	3	0	1000	1706	1041
Assam	0	850	142	0	0	0	0	5	0	0	0	1000	48810	2616
Bihar	12	743	35	0	148	0	0	2	0	61	0	1000	142999	3294
Chhattisgarh	0	941	20	1	9	0	0	8	3	17	1	1000	40353	1495
Delhi	0	0	664	0	0	0	0	264	0	0	71	1000	2021	57
Goa	0	332	603	0	0	0	0	50	0	13	2	1000	2301	160
Gujarat	0	857	106	4	11	0	0	22	0	0	0	1000	65945	1720
Haryana	0	580	214	1	180	0	0	15	3	2	5	1000	31782	1440
Himachal Pradesh	1	712	263	0	0	0	0	17	1	0	5	1000	12960	1660
Jammu & Kashmir	0	643	246	0	92	1	1	12	4	1	0	1000	11938	1446
Jharkhand	134	776	25	1	35	0	0	2	9	18	0	1000	42264	1758
Karnataka	0	857	107	1	0	0	0	15	0	1	20	1000	76532	2038
Kerala	0	700	265	4	0	0	0	3	1	0	28	1000	56673	2606
Madhya Pradesh	1	905	55	3	32	1	1	1	0	1	2	1000	98447	2734
Maharashtra	0	782	170	7	1	0	0	16	0	5	19	1000	124261	4012
Manipur	0	672	325	0	2	0	0	0	0	0	0	1000	3069	1376
Meghalaya	0	909	41	0	1	2	2	26	13	2	8	1000	4114	864

Contd.

Statement 2.27 : Per 1000 distribution of households by primary source of energy for cooking (Rural)

(For Year 2009-10)

States/UT	Primary source of energy for cooking										Estd. No of house holds (00)	No.of sample house holds surveyed	
	Coke, Coal	Fire wood and chips	L.P.G.	Gobar gas	Dung-cake	Char-coal	Kero-sene	Electricity	Others	No cooking arrange-ment			all
Mizoram	0	721	275	0	1	0	3	0	0	0	1000	937	632
Nagaland	0	516	466	0	0	0	0	0	0	12	1000	1509	704
Odisha	5	843	37	2	39	2	2	1	28	43	1000	73798	2974
Punjab	0	326	337	11	289	0	11	1	21	5	1000	31740	1558
Rajasthan	0	925	56	0	14	0	4	0	0	2	1000	87698	2575
Sikkim	0	475	454	0	0	0	23	2	0	34	1000	1195	608
Tamil Nadu	0	701	254	0	0	0	26	0	0	19	1000	98327	3319
Tripura	4	927	61	0	0	0	7	0	0	1	1000	6818	1311
Uttar Pradesh	1	700	58	0	196	0	1	1	39	4	1000	252276	5908
Uttarakhand	0	595	178	0	10	0	0	0	0	216	1000	17813	1045
West Bengal	39	734	48	0	44	1	6	0	123	6	1000	137303	3575
A&N Islands	0	493	305	0	0	0	131	0	0	71	1000	538	272
Chandigarh	0	153	620	0	7	0	220	0	0	0	1000	423	32
Dadar & N. Haveli	0	461	169	0	0	0	370	0	0	0	1000	344	96
Daman & Diu	0	102	893	0	0	0	2	0	3	0	1000	233	64
Lakshadweep	0	713	25	0	0	0	135	64	0	62	1000	59	55
Puducherry	0	487	467	0	0	0	18	0	0	28	1000	901	128
All India	8	763	115	2	63	0	8	1	24	16	1000	1626461	59097

Source : NSS Report No. 542: Energy Sources of Indian Households for Cooking and Lighting in India, 2009-10 (NSS66th Round)

Statement 2.27 : Per 1000 distribution of households by primary source of energy for cooking (Rural)

(For Year 2011-12)

States/UT	Primary source of energy for cooking										Estd. No of house holds (00)	No. of sample house holds surveyed
	Coke, Coal	Fire wood and chips	L.P.G.	Gobar gas	Dung-cake	Char-coal	Kero-sene	Electricity	Others	No cooking arrangement	all*	
Andhra Pradesh	2	675	289	0	2	1	2	0	2	27	1000	3925
Arunachal Pradesh	3	654	314	0	1	0	9	1	0	18	1000	1066
Assam	1	810	172	4	0	0	3	0	1	9	1000	2607
Bihar	6	564	59	0	208	0	5	0	157	1	1000	3310
Chhattisgarh	9	932	15	1	31	0	2	1	3	6	1000	1440
Delhi	0	23	922	0	0	0	0	0	0	55	1000	63
Goa	0	169	662	6	0	0	164	0	0	0	1000	159
Gujarat	0	797	139	6	9	0	35	1	0	12	1000	1712
Haryana	0	417	267	0	244	0	12	2	56	3	1000	1423
Himachal Pradesh	1	727	252	0	1	0	10	2	0	8	1000	1657
Jammu & Kashmir	0	678	265	0	21	0	22	8	3	4	1000	2032
Jharkhand	143	777	29	0	29	0	3	0	2	16	1000	1757
Karnataka	0	805	147	7	0	0	20	0	0	21	1000	2048
Kerala	1	663	308	5	0	0	1	2	0	20	1000	2608
Madhya Pradesh	2	808	62	7	106	0	5	0	0	8	1000	2735
Maharashtra	0	621	231	5	2	0	10	0	92	38	1000	4031
Manipur	0	635	346	0	1	4	2	0	0	12	1000	1376
Meghalaya	0	910	55	0	0	0	10	11	0	15	1000	856

Contd.

Statement 2.27 : Per 1000 distribution of households by primary source of energy for cooking (Rural)

(For Year 2011-12)

States/UT	Primary source of energy for cooking										Estd. No of house holds (00)	No. of sample house holds surveyed
	Coke, Coal	Fire wood and chips	L.P.G.	Gobar gas	Dung-cake	Char-coal	Kero-sene	Electricity	Others	No cooking arrangement	all*	
Mizoram	0	602	391	0	0	0	7	0	0	0	1000	640
Nagaland	0	466	534	0	0	0	0	0	0	0	1000	672
Odisha	9	870	39	2	18	1	2	2	51	6	1000	2974
Punjab	0	305	305	7	303	0	27	2	33	19	1000	1552
Rajasthan	0	893	89	0	6	0	7	0	4	1	1000	2579
Sikkim	1	404	560	4	0	0	6	0	0	26	1000	608
Tamil Nadu	0	583	372	0	0	0	25	2	0	18	1000	3319
Tripura	0	925	63	2	0	0	5	0	0	5	1000	1312
Uttar Pradesh	2	561	67	0	334	0	1	0	28	6	1000	5915
Uttarakhand	0	698	288	0	1	0	9	0	0	3	1000	1048
West Bengal	65	629	66	0	53	0	5	0	175	6	1000	3566
A&N Islands	0	411	382	0	0	0	189	1	0	17	1000	278
Chandigarh	0	3	752	0	15	0	229	0	0	0	1000	64
Dadar & N. Haveli	0	683	37	0	0	0	114	0	0	166	1000	96
Daman & Diu	0	130	238	0	0	0	542	0	0	90	1000	64
Lakshadweep	0	793	37	0	0	0	26	80	0	65	1000	63
Puducherry	0	306	592	0	3	0	40	0	0	59	1000	128
All India	11	673	150	2	96	0	9	1	46	13	1000	59683

Source : NSS Report No. 567: Energy Sources of Indian Households for Cooking and Lighting in India, 2011-12 (NSS 68th Round) (P-A-37 to A-57)

* : all including n.r. cases

Statement 2.28 : Per 1000 distribution of households by primary source of energy for cooking (Urban)

(For Year 2007-08)

States/UT	primary source of energy for cooking										not record- ed	other	electricity	kero- sene	gobar gas	dung- cake	estd. No of hhs (00)	no.of sample hhs
	No cooking arrange- ment	coke, coal and charcoal	fire wood and chips	L.P.G.	kero- sene	gobar gas	dung- cake	electricity	other									
Andhra Pradesh	78	3	239	602	0	3	69	3	2	0	1000	54844	1244					
Assam	21	4	134	747	0	0	62	11	11	11	1000	5771	416					
Bihar	37	42	234	540	0	116	17	3	8	4	1000	14948	672					
Chhattisgarh	7	109	276	535	1	0	72	2	0	0	1000	8262	319					
Delhi	79	4	29	853	0	4	30	0	0	0	1000	29837	558					
Gujarat	60	16	166	627	0	3	90	0	39	0	1000	42320	983					
Haryana	3	0	124	831	0	19	12	10	0	0	1000	13055	384					
Jammu & Kashmir	1	12	137	774	0	0	65	11	0	0	1000	2950	380					
Jharkhand	71	196	74	585	0	1	3	4	30	37	1000	9770	384					
Karnataka	104	0	205	545	0	0	144	2	0	0	1000	40338	918					
Kerala	91	2	411	477	4	0	15	1	0	0	1000	18436	510					
Madhya Pradesh	18	14	308	599	1	8	44	1	3	4	1000	30139	992					
Maharashtra	50	2	109	702	0	0	125	2	10	0	1000	91380	2004					
Manipur	0	25	291	675	1	0	7	1	0	0	1000	1174	384					
Mizoram	0	2	158	831	0	0	9	0	0	0	1000	781	384					
Orissa	150	55	266	448	5	17	41	6	12	0	1000	12700	544					
Punjab	15	4	79	739	0	84	72	7	0	0	1000	19416	576					
Rajasthan	73	2	301	577	0	18	29	1	0	0	1000	27543	695					
Tamil Nadu	63	0	279	541	0	0	117	0	0	0	1000	73981	1398					
Uttar Pradesh	26	4	268	618	0	49	28	2	6	0	1000	70622	1433					
West Bengal	46	141	125	524	0	10	90	1	62	0	1000	47913	1307					
North- Eastern States	8	23	224	695	0	0	40	5	0	4	1000	5760	1760					
Union Territories	190	0	49	571	0	0	180	11	0	0	1000	4186	584					
All India	57	21	201	618	0	14	76	2	11	1	1000	632571	18624					

Source : NSS Report No. 530: Household Consumer Expenditure in India, 2007-08

Statement 2.28 : Per 1000 distribution of households by primary source of energy for cooking (Urban)

(For Year 2009-10)

States/UT	Primary source of energy for cooking										Estd. No of house holds (00)	No. of sample house holds surveyed
	Coke, Coal	Fire wood and chips	L.P.G.	Gobar gas	Dung-cake	Char-coal	Kerosene	Electricity	Others	No cooking arrangement	all	
Andhra Pradesh	1	157	686	0	1	3	50	0	3	101	1000	2951
Arunachal Pradesh	2	170	769	0	14	0	28	2	7	0	1000	600
Assam	0	178	746	0	1	0	70	0	0	6	1000	832
Bihar	65	295	502	0	68	0	6	4	18	41	1000	1270
Chhattisgarh	29	251	623	0	13	1	20	7	19	37	1000	736
Delhi	0	10	809	0	0	0	12	9	0	159	1000	808
Goa	0	43	893	0	0	0	64	0	0	0	1000	287
Gujarat	23	151	608	0	9	0	140	0	58	11	1000	1698
Haryana	1	130	791	0	41	2	17	1	2	17	1000	1180
Himachal Pradesh	18	68	738	0	0	0	69	8	0	98	1000	382
Jammu & Kashmir	6	96	775	0	3	1	94	22	1	1	1000	1269
Jharkhand	422	73	412	0	5	0	0	9	1	77	1000	990
Karnataka	0	190	589	0	0	0	110	0	2	108	1000	2037
Kerala	2	368	555	0	0	0	6	8	2	60	1000	1845
Madhya Pradesh	8	293	602	0	16	0	23	1	0	58	1000	1973
Maharashtra	2	86	733	0	0	1	102	3	9	66	1000	3984
Manipur	0	260	705	0	0	24	5	1	24	4	1000	1182
Meghalaya	4	236	444	0	0	121	124	46	121	26	1000	408

Contd.

Statement 2.28 : Per 1000 distribution of households by primary source of energy for cooking (Urban)

(For Year 2009-10)

States/UT	Primary source of energy for cooking										Estd. No of house holds (00)	No.of sample house holds surveyed		
	Coke, Coal	Fire wood and chips	L.P.G.	Gobar gas	Dung-cake	Char-coal	Kero-sene	Electricity	Others	No cooking arrange-ment			all	
Mizoram	0	88	906	0	0	0	0	5	0	0	1	1000	752	896
Nagaland	0	227	732	0	0	0	0	27	1	3	10	1000	599	320
Odisha	47	378	414	1	6	2	32	32	13	9	100	1000	12759	1055
Punjab	0	108	714	0	34	0	127	127	5	1	11	1000	18934	1557
Rajasthan	0	290	631	0	6	0	17	17	0	4	53	1000	30579	1551
Sikkim	0	0	732	0	0	0	30	30	0	0	238	1000	216	160
Tamil Nadu	0	178	647	1	0	0	101	101	0	0	73	1000	82035	3320
Tripura	3	350	608	0	0	0	29	29	0	0	2	1000	1587	544
Uttar Pradesh	6	242	619	0	63	0	12	12	4	3	52	1000	71435	3086
Uttarakhand	1	141	769	0	2	0	59	59	0	0	28	1000	5012	730
West Bengal	145	124	564	0	5	2	63	63	0	44	55	1000	49559	2749
A&N Island	0	15	674	0	2	0	270	270	0	0	39	1000	344	288
Chandigarh	2	47	725	0	1	0	67	67	0	0	157	1000	2123	273
Dadar & N. Haveli	0	0	727	0	0	0	273	273	0	0	0	1000	152	96
Daman & Diu	0	79	882	0	0	0	40	40	0	0	0	1000	173	64
Lakshadweep	0	267	422	0	0	0	70	70	26	0	216	1000	52	128
Puducherry	0	93	734	0	2	0	86	86	2	0	82	1000	1905	448
All India	23	175	645	0	13	1	65	65	3	11	65	1001	681770	41697

Source : NSS Report No. 542: Energy Sources of Indian Households for Cooking and Lighting in India, 2009-10 (NSS 66th Round p-A-55 to 72)

Statement 2.28 : Per 1000 distribution of households by primary source of energy for cooking (Urban)

(For Year 2011-12)

States/UT	Primary source of energy for cooking										Estd. No of house holds (00)	No. of sample house holds surveyed
	Coke, Coal	Fire wood and chips	L.P.G.	Gobar gas	Dung cake	Char coal	Kero sene	Electricity	Others	No cooking arrange-ment	all*	
Andhra Pradesh	1	101	773	0	0	1	27	6	0	91	1000	2971
Arunachal Pradesh	0	122	841	0	0	0	12	25	0	0	1000	608
Assam	1	168	710	0	1	0	57	0	23	40	1000	832
Bihar	40	249	605	0	55	6	5	2	25	13	1000	1270
Chhattisgarh	113	347	398	1	33	1	27	10	9	59	1000	734
Delhi	2	6	856	0	0	0	17	3	46	71	1000	882
Goa	0	33	903	0	0	0	26	0	0	38	1000	288
Gujarat	9	159	620	0	3	0	105	0	57	47	1000	1717
Haryana	0	60	865	0	31	1	14	1	3	25	1000	1166
Himachal Pradesh	0	56	718	0	5	2	74	13	0	132	1000	383
Jammu & Kashmir	1	98	783	0	3	4	39	37	0	28	1000	1355
Jharkhand	311	56	539	0	5	0	12	9	0	68	1000	980
Karnataka	0	148	640	1	0	0	68	3	0	139	1000	2048
Kerala	0	363	554	0	0	0	6	4	1	72	1000	1854
Madhya Pradesh	8	257	652	0	18	0	36	2	0	27	1000	1981
Maharashtra	2	57	745	0	0	0	101	2	13	80	1000	4013
Manipur	1	285	647	0	1	54	8	2	0	2	1000	1184
Meghalaya	0	141	640	0	3	31	57	80	0	48	1000	404

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Statement 2.28 : Per 1000 distribution of households by primary source of energy for cooking (Urban)

(For Year 2011-12)

States/UT	Primary source of energy for cooking										Estd. No of house holds (00)	No. of sample house holds surveyed
	Coke, Coal	Fire wood and chips	L.P.G.	Gobar gas	Dung-cake	Char-coal	Kero-sene	Electricity	Others	No cooking arrangement	all*	
Mizoram	0	58	936	0	0	1	5	0	0	0	1000	896
Nagaland	0	135	863	0	0	0	3	0	0	0	1000	352
Odisha	38	365	435	0	2	3	48	14	10	85	1000	1052
Punjab	1	67	754	1	32	0	100	4	2	38	1000	1566
Rajasthan	5	187	716	0	2	0	20	0	0	70	1000	1552
Sikkim	0	3	826	0	0	0	22	0	0	149	1000	160
Tamil Nadu	0	112	709	0	0	0	85	2	0	92	1000	3327
Tripura	0	281	668	0	0	0	38	0	0	13	1000	544
Uttar Pradesh	6	210	668	0	75	1	10	4	3	23	1000	3099
Uttarakhand	0	161	788	0	5	0	16	0	0	31	1000	734
West Bengal	135	107	565	0	6	0	87	2	13	84	1000	2746
A&N Island	0	22	713	0	0	0	215	0	5	46	1000	288
Chandigarh	0	48	756	0	0	0	136	0	0	61	1000	248
Dadar & N. Haveli	0	54	731	0	0	0	211	0	0	3	1000	94
Daman & Diu	0	67	757	0	0	0	65	0	0	110	1000	64
Lakshadweep	0	263	453	0	0	0	163	55	0	67	1000	128
Puducherry	0	81	762	0	0	0	30	0	0	126	1000	448
All India	21	140	684	0	13	1	57	3	11	69	1000	41968

Source : NSS Report No. 567: Energy Sources of Indian Households for Cooking and Lighting in India, 2011-12 (NSS 68th Round) (P-A-37 to A-57)

* : all including n.r. cases

Statement 2.29(a) : Distribution of households by source of lighting

(Rural)

Sl. No.	India/ State/ Union Territory	Total No. of Households		Primary source of energy for lighting (%)							
				Electricity		Kerosene		Any other sources		No lighting	
		2011	2001	2011	2001	2011	2001	2011	2001	2011	2001
1	2	3	4	5	6	7	8	9	10	11	12
1	A & N Islands	59030	49653	79.4	68.1	19.3	29.9	0.8	1.2	0.6	0.8
2	Andhra Pradesh	14246309	12676218	89.7	59.7	9.2	39.7	0.6	0.4	0.5	0.3
3	Arunachal Pradesh	195723	164501	55.5	44.5	23.6	37.9	7.0	7.1	14.0	10.5
4	Assam	5374553	4220173	28.4	16.5	70.4	83.1	1.1	0.3	0.2	0.1
5	Bihar	16926958	12660007	10.4	5.1	88.4	94.5	1.2	0.4	0.1	0.0
6	Chandigarh	6785	21302	97.3	97.4	2.4	2.1	0.2	0.3	0.1	0.2
7	Chhattisgarh	4384112	3359078	70.0	46.1	28.2	52.9	1.5	0.6	0.3	0.4
8	Dadra & Nagar Haveli	35408	32783	91.7	82.6	7.9	16.0	0.1	0.3	0.6	1.0
9	Daman & Diu	12750	22091	98.3	97.5	1.5	2.0	0.1	0.2	0.2	0.4
10	Goa	124674	140755	95.6	92.4	3.4	6.9	0.3	0.3	0.6	0.4
11	Gujarat	6765403	5885961	85.0	72.1	12.8	26.2	0.8	0.7	1.4	0.1
12	Haryana	2966053	2454463	87.2	78.5	11.3	20.6	1.0	0.5	0.5	0.4
13	Himachal Pradesh	1310538	1097520	96.6	94.5	3.0	4.9	0.3	0.4	0.1	0.2
14	Jammu & Kashmir	1497920	1161357	80.7	74.8	12.6	19.2	4.1	5.4	2.6	0.6
15	Jharkhand	4685965	3802412	32.3	10.0	66.4	89.6	1.2	0.3	0.0	0.0
16	Karnataka	7864196	6675173	86.7	72.2	12.3	27.2	0.5	0.3	0.5	0.3
17	Kerala	4095674	4942550	92.1	65.5	7.4	33.8	0.4	0.7	0.0	0.0
18	Lakshadweep	2523	5351	99.8	99.7	0.2	0.1	0.0	0.1	0.0	0.0
19	Madhya Pradesh	11122365	8124795	58.3	62.3	40.9	37.2	0.6	0.3	0.2	0.2
20	Maharashtra	13016652	10993623	73.8	65.2	23.9	33.6	1.0	0.7	1.3	0.6
21	Manipur	383313	296354	63.5	52.5	30.2	45.1	5.6	1.2	0.7	1.1
22	Meghalaya	422197	329678	51.6	30.3	45.9	68.2	1.6	0.8	0.9	0.8
23	Mizoram	104874	79362	68.8	44.1	26.9	52.8	3.9	2.3	0.5	0.7
24	Nagaland	284911	265334	75.2	56.9	21.1	37.5	2.2	2.4	1.5	3.2
25	NCT of Delhi	79115	169528	97.8	85.5	1.4	13.0	0.6	0.9	0.2	0.6
26	Odisha	8144012	6782879	35.6	19.4	62.8	79.8	0.6	0.5	1.1	0.4
27	Puducherry	95133	72199	95.8	81.0	3.6	18.6	0.2	0.2	0.5	0.1
28	Punjab	3315632	2775462	95.5	89.5	2.9	8.9	0.7	0.5	0.9	1.1
29	Rajasthan	9490363	7156703	58.3	44.0	39.3	54.7	1.5	0.8	1.0	0.5
30	Sikkim	92370	91723	90.2	75.0	8.7	24.3	0.5	0.3	0.6	0.4
31	Tamil Nadu	9563899	8274790	90.8	71.2	8.3	28.2	0.3	0.3	0.6	0.4
32	Tripura	607779	539680	59.8	31.8	37.7	67.6	2.5	0.4	0.4	0.2
33	Uttar Pradesh	25475071	20590074	23.8	19.8	75.0	79.5	1.1	0.6	0.1	0.1
34	Uttarakhand	1404845	1196157	83.1	50.3	14.5	46.7	2.1	2.7	0.3	0.3
35	West Bengal	13717186	11161870	40.3	20.3	57.8	79.2	1.5	0.5	0.4	0.1
	INDIA	167874294	138271559	55.3	43.5	43.2	55.6	1.0	0.6	0.5	0.3

Source : Census 2001, 2011, Office of the Registrar General

Statement 2.29(b): Distribution of households by source of lighting

Urban)

Sl. No.	India/ State/ Union Territory	Total No. of Households		Primary source of energy for lighting (%)							
				Electricity		Kerosene		Any other sources		No lighting	
		2011	2001	2011	2001	2011	2001	2011	2001	2011	2001
1	2	3	4	5	6	7	8	9	10	11	12
1	A & N Islands	34346	23409	97.7	95.2	1.9	4.3	0.1	0.2	0.2	0.2
2	Andhra Pradesh	6778225	4173639	97.3	90.0	2.0	9.2	0.5	0.5	0.2	0.3
3	Arunachal Pradesh	65891	48114	96.0	89.4	3.2	9.4	0.4	0.5	0.4	0.7
4	Assam	992742	715185	84.1	74.3	15.2	25.0	0.5	0.6	0.3	0.2
5	Bihar	2013671	1322583	66.7	59.3	32.2	39.9	0.8	0.7	0.2	0.2
6	Chandigarh	228276	180576	98.4	96.7	1.1	2.9	0.2	0.2	0.2	0.2
7	Chhattisgarh	1238738	789440	93.7	82.9	5.7	16.5	0.3	0.3	0.2	0.3
8	Dadra & Nagar Haveli	37655	11190	98.5	95.8	1.4	3.8	0.0	0.3	0.1	0.0
9	Daman & Diu	47631	12251	99.3	98.3	0.6	1.3	0.1	0.1	0.1	0.3
10	Goa	198139	138461	97.7	94.7	1.8	4.6	0.3	0.3	0.3	0.4
11	Gujarat	5416315	3758028	97.2	93.4	2.1	5.5	0.2	0.5	0.5	0.7
12	Haryana	1751901	1075179	96.2	92.9	2.7	6.1	0.7	0.5	0.4	0.4
13	Himachal Pradesh	166043	143113	98.1	97.4	1.6	2.2	0.2	0.3	0.1	0.1
14	Jammu & Kashmir	517168	390411	98.0	97.9	1.2	1.6	0.6	0.4	0.2	0.1
15	Jharkhand	1495642	1060178	88.0	75.6	11.4	23.8	0.5	0.5	0.1	0.1
16	Karnataka	5315715	3556960	96.4	90.5	3.1	8.8	0.3	0.4	0.2	0.3
17	Kerala	3620696	1652656	97.0	84.3	2.8	15.1	0.2	0.5	0.0	0.0
18	Lakshadweep	8180	3889	99.7	99.7	0.2	0.3	0.1	0.0	0.0	0.0
19	Madhya Pradesh	3845232	2794858	92.7	92.3	6.6	7.1	0.4	0.3	0.2	0.2
20	Maharashtra	10813928	8069526	96.2	94.3	3.1	5.1	0.3	0.3	0.4	0.3
21	Manipur	171400	101302	82.4	82.0	11.2	17.3	5.9	0.5	0.5	0.3
22	Meghalaya	116102	90568	94.9	88.1	4.4	10.9	0.3	0.5	0.3	0.5
23	Mizoram	116203	81604	98.1	94.4	1.5	5.2	0.3	0.2	0.1	0.2
24	Nagaland	115054	66716	97.4	90.3	2.1	8.3	0.3	0.5	0.2	0.9
25	NCT of Delhi	3261423	2384621	99.1	93.4	0.6	5.7	0.2	0.7	0.1	0.2
26	Odisha	1517073	1087248	83.1	74.1	15.3	24.3	0.4	0.7	1.2	1.0
27	Puducherry	206143	136456	98.5	91.4	1.3	8.2	0.1	0.2	0.1	0.1
28	Punjab	2094067	1489694	98.3	96.5	1.0	2.6	0.3	0.4	0.3	0.5
29	Rajasthan	3090940	2185591	93.9	89.6	5.2	9.6	0.5	0.4	0.5	0.4
30	Sikkim	35761	13015	98.7	97.1	0.9	2.8	0.1	0.1	0.3	0.0
31	Tamil Nadu	8929104	5898836	96.1	88.0	3.4	11.1	0.2	0.4	0.3	0.4
32	Tripura	235002	122343	91.6	86.4	7.0	13.0	1.2	0.4	0.2	0.2
33	Uttar Pradesh	7449195	5170527	81.4	79.9	17.2	19.3	0.9	0.5	0.4	0.3
34	Uttarakhand	592223	390164	96.5	90.9	2.9	8.4	0.4	0.4	0.3	0.3
35	West Bengal	6350113	4554045	85.1	79.6	12.7	19.5	1.6	0.6	6.0	0.3
	INDIA	78865937	53692376	92.7	87.6	6.5	11.6	0.5	0.5	0.3	0.4

Source : Census 2001, 2011, Office of the Registrar General

TABLE 2.29(c): Distribution of households by source of lighting
(RURAL)

For year 2007-08

States/UT	primary source of energy for lighting						estd. No . Of hhs (00)	no. of sam- ple hhs
	With no lightng arrange- ment	kero- sene	elec- tricity	other	not re- corded	all		
Andhra Pradesh	3	110	885	3	0	1000	148825	2239
Arunachal Pradesh	38	285	491	152	33	1000	1644	348
Assam	3	606	370	20	0	1000	46001	800
Bihar	14	840	138	6	2	1000	136324	2844
Chhattisgarh	0	231	760	7	2	1000	39421	640
Gujarat	11	119	867	3	0	1000	65922	1084
Haryana	3	102	889	6	0	1000	30582	572
Himachal Pradesh	4	13	960	23	0	1000	13577	672
Jammu & Kashmir	4	31	944	21	0	1000	12913	472
Jharkhand	1	657	339	3	0	1000	41668	851
Karnataka	7	72	921	0	0	1000	76206	1180
Kerala	0	100	893	7	0	1000	54827	896
Madhya Pradesh	3	240	753	4	0	1000	92609	1779
Maharashtra	4	241	751	3	0	1000	125352	2014
Manipur	11	116	851	11	10	1000	3070	768
Meghalaya	0	272	728	0	0	1000	3990	512
Nagaland	0	9	990	0	0	1000	1496	512
Odisha	4	636	359	2	0	1000	70923	1532
Punjab	6	4	957	32	0	1000	33812	704
Rajasthan	10	432	551	7	0	1000	87089	1501
Sikkim	4	24	973	0	0	1000	1107	480
Tamil Nadu	6	80	914	0	0	1000	95794	1436
Tripura	11	393	592	2	2	1000	6747	864
Uttar Pradesh	5	706	279	10	0	1000	247744	3611
Uttarakhand	0	197	789	14	0	1000	13701	412
West Bengal	7	530	458	4	1	1000	134337	2203
North- Eastern States	10	249	719	17	5	1000	19019	3740
Union Territories	6	85	908	0	0	1000	2445	372
All India	6	386	602	6	0	1000	1592612	31673

Source : NSS Report No. 530: Household Consumer Expenditure in India, 2007-08

TABLE 2.29(d) :Distribution of households by source of lighting
(Urban)

For year 2007-08

States/UT	primary source of energy for lighting						estd. No. of hhs (00)	no.of sample hhs
	With no lighting ar- rangement	kero- sene	elec- tricity	others	not re- corded	all		
Andhra Pradesh	0	29	971	0	0	1000	54844	1244
Assam	0	107	843	46	4	1000	5771	416
Bihar	8	257	711	10	15	1000	14948	672
Chhattisgarh	0	24	976	0	0	1000	8262	319
Delhi	0	5	976	19	0	1000	29837	558
Gujarat	8	30	959	2	0	1000	42320	983
Haryana	0	5	982	13	0	1000	13055	384
Jammu & Kashmir	0	21	961	19	0	1000	2950	380
Jharkhand	0	39	937	24	0	1000	9770	384
Karnataka	4	25	970	0	0	1000	40338	918
Kerala	6	25	965	4	0	1000	18436	510
Madhya Pradesh	5	32	955	4	4	1000	30139	992
Maharashtra	2	21	975	2	0	1000	91380	2004
Manipur	0	18	965	17	0	1000	1174	384
Mizoram	0	14	986	0	0	1000	781	384
Odisha	5	124	871	0	0	1000	12700	544
Punjab	0	6	945	49	0	1000	19416	576
Rajasthan	4	48	948	0	0	1000	27543	695
Tamil Nadu	1	38	959	1	0	1000	73981	1398
Uttar Pradesh	2	130	843	24	0	1000	70622	1433
West Bengal	1	82	914	2	1	1000	47913	1307
North- Eastern States	3	31	946	12	8	1000	5760	1760
Union Territories	3	0	997	0	0	1000	4186	584
All India	3	51	938	8	1	1000	632571	18624

Source : NSS Report No. 530: Household Consumer Expenditure in India, 2007-08

Statement 2.30 : State-wise Land Use Classification- 2013-14

(Thousand Hectares)

Sl. No.	State/UT	Geo-graphical Area	Report-ing area for land utilisation statis-tics (col. 5+8+12 +15+16)	Forest	Land not available for cultivation			Other uncultivated land excluding Fallow Land			
					Area put to non ag-ricultur-al uses	Bar-ren and uncult-urable land	Total (col. 6+ col. 7)	Perma-nent pas-tures & other grazing lands	Land un-der Mis-cellaneous Tree Crops & Groves not includ-ed in Net Area Sown	Cul-tur-able Waste Land	Total (col. 9+10 +11)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Andhra Pradesh	16020	16020	3493	2095	1341	3436	212	160	392	764
2	Arunachal Pradesh	8374	7239	6732*	26	38	64	18	35	63	116
3	Assam	7844	7844	1853	1274	1192	2466	168	222	144	534
4	Bihar	9416	9360	622	1712	432	2144	15	247	45	308
5	Chhattisgarh	13519	13790	6331	738	289	1027	882	1	349	1232
6	Delhi	148	147	1	75	18	93	0	1	10	11
7	Goa	370	361	125	37		37	1	1	53	54
8	Gujarat	19602	19069	1834	1171	2552	3723	851	4	1960	2815
9	Haryana	4421	4371	39	537	125	662	26	7	18	51
10	Himachal Pradesh	5567	4576	1126	350	777	1127	1510	64	122	1696
11	Jammu & Kashmir	22224	4012*	2254*	267	306	573	114	65	134	313
12	Jharkhand	7972	7970	2239	706	568	1274	114	98	353	565
13	Karnataka	19179	19050	3073	1444	787	2230	906	281	411	1598
14	Kerala	3886	3886	1082	512	14	526	0	3	97	100
15	Madhya Pradesh	30825	30756	8691	2162	1346	3507	1291	20	1008	2319
16	Maharashtra	30771	30758	5206	1460	1724	3184	1242	250	915	2407
17	Manipur	2233	2111	1699*	26	1	27	1	6	1	8
18	Meghalaya	2243	2241	946	108	131	239		164	391	555
19	Mizoram	2108	2093	1585	91	8	100	5	74	7	86
20	Nagaland	1658	1652	863	93	2	95		94	70	163
21	Odisha	15571	15467	5814	1280	1052	2332	524	216	575	1315
22	Punjab	5036	5033	258	498	52	550	5	8	6	19
23	Puducherry	48	49	0	19	0	19		1	5	6
24	Rajasthan	34224	34267	2758	1889	2385	4274	1694	24	4000	5718
25	Sikkim	710	443	336*	10		10		4	4	8
26	Tamil Nadu	13006	13033	2125	2190	488	2678	110	245	328	683
27	Telangana	11487*	11484	2743	895	615	1510	302	114	178	593
28	Tripura	1049	1049	629	145		145	1	12	3	16
29	Uttar Pradesh	24093	24170	1658	3027	464	3491	65	325	410	801
30	Uttarakhand	5348	5992	3800	222	228	450	192	389	317	898
31	West Bengal	8875	8684	1174	1834	11	1846	2	49	18	69
32	Andaman & Nicobar Island	825	757	717	7	2	9	4	4	3	11
33	Chandigarh	11	7	0	5		5		0		0
34	Dadra and Nagar Haveli	49	49	20	4	0	4	1		0	1
35	Daman & Diu	11	3		0		0		0	0	0
36	Lakshadweep	3	3		1		1				0
Total		328726	307796	71828	26913	16948	43860	10258	3187	12388	25832

Source: Directorate of Economics & Statistics, Ministry of Agriculture and Farmers Welfare.

Contd.

Statement 2.30 : State-wise Land Use Classification- 2013-14

(Thousand Hectares)

Fallow Lands			Net Area Sown	Total Cropped Area (Gross Cropped Area)	Area Sown more than once (Col. 17-16)	Cropping Intensity (Col.17/ Col.16*100)	Agri.Land/ Cultivable Land/ Culturable Land (Col.10+11 +15+16)	Cultivated Land (Col.13 +15)	Uncultivable/ Unculturable Land (Col.4-20)	Uncultivated Land (Col.4-21)
Fallow Lands other than Current Fallows	Current Fallows	Total (col. 13+ 14)								
(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
792	1087	1879	6448	8128	1680	126.0	8879	7536	7142	8485
65	36	101	225	296	71	131.4	424	261	6815	6977
85	87	172	2820	4100	1280	145.4	3357	2906	4487	4938
120	913	1034	5252	7580	2328	144.3	6578	6166	2781	3194
254	260	514	4686	5698	1012	121.6	5550	4946	8240	8844
8	12	20	22	35	13	161.4	53	34	95	114
	15	15	129	158	29	122.2	197	144	164	217
16	379	395	10302	12487	2186	121.2	12661	10681	6408	8388
22	101	123	3497	6471	2974	185.0	3645	3598	726	773
22	54	76	550	943	393	171.4	812	604	3764	3971
16	114	130	741	1155	414	155.9	1070	856	2942	3156
1063	1445	2508	1384	1672	288	120.8	4343	2829	3627	5141
525	1700	2225	9923	12267	2344	123.6	12840	11623	6210	7427
57	71	128	2051	2617	566	127.6	2279	2122	1607	1764
468	350	818	15422	24047	8625	155.9	17267	15772	13489	14985
1192	1401	2594	17368	23328	5960	134.3	21127	18769	9632	11989
0	0	0	377	377		100.0	384	377	1727	1734
155	60	215	286	343	57	120.0	1056	346	1185	1896
161	47	208	114	114		100.0	402	161	1690	1932
100	50	150	380	499	119	131.2	693	431	958	1221
634	877	1511	4495	5168	673	115.0	6797	5372	8670	10095
6	55	60	4145	7848	3702	189.3	4219	4200	813	833
3	6	8	15	25	10	163.8	30	21	19	27
1847	1403	3250	18268	26120	7852	143.0	25542	19671	8725	14597
5	7	12	77	147	70	190.5	97	84	346	358
1718	1115	2833	4714	5897	1184	125.1	8120	5829	4913	7204
717	960	1677	4961	6288	1327	126.7	6929	5921	4555	5563
2	2	3	255	383*	128	150.2	273	257	776	793
539	1135	1674	16546	25896	9350	156.5	18955	17681	5215	6489
86	57	143	701	1099	398	156.8	1550	758	4442	5234
12	349	362	5234	9618	4385	183.8	5662	5583	3022	3101
3	3	6	15	24	10	165.1	28	17	730	740
0	0	0	1	2	1	151.5	2	1	5	6
2	2	4	19	23	4	122.2	24	21	25	28
0	0	0	3	3	1	122.6	3	3	0	0
		0	2	3	1	135.7	2	2	1	1
10694	14154	24848	141428	200859	59431	142.0	181850	155581	125946	152215

Statement 2.30: State-wise Land Use Classification- 2014-15

(Thousand Hectares)

Sl. No.	State/UT	Geo-graphical Area	Report-ing area for land utilisation statistics (col. 5+8+12 +15+16)	Forest	Land not available for cultivation			Other uncultivated land excluding Fallow Land			
					Area put to non agricul-tural uses	Barren and unculturable land	Total (col. 6+ col. 7)	Perma-nent pastures & other grazing lands	Land un-der Mis-cellaneous Tree Crops & Groves not includ-ed in Net Area Sown	Cul-tur-able Waste Land	Total (col. 9+10 +11)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Andhra Pradesh	16276	16276	3663	2002	1351	3353	214	159	391	764
2	Arunachal Pradesh	8374	7228	6725*	25	37	62	18	35	62	115
3	Assam	7844	7844	1853	1271	1190	2460	167	220	142	529
4	Bihar	9416	9360	622	1712	432	2144	15	248	45	308
5	Chhattisgarh	13519	13790	6316	741	288	1030	887	1	351	1239
6	Delhi	148	147	1	75	18	93	0	1	10	11
7	Goa	370	361	125	37		37	1	1	53	54
8	Gujarat	19602	19069	1834	1171	2552	3723	851	4	1960	2815
9	Haryana	4421	4371	38	534	119	653	25	9	17	51
10	Himachal Pradesh	5567	4576	1126	350	777	1127	1510	64	122	1696
11	Jammu & Kashmir	22224	4058	2299*	266	305	571	112	57	139	308
12	Jharkhand	7972	7970	2239	706	568	1274	114	98	353	565
13	Karnataka	19179	19052	3073	1461	787	2248	904	277	409	1590
14	Kerala	3886	3886	1082	526	13	538	0	3	101	103
15	Madhya Pradesh	30825	30756	8694	2149	1357	3506	1303	20	1010	2333
16	Maharashtra	30771	30758	5201	1482	1727	3209	1249	249	919	2417
17	Manipur	2233	2117	1699*	26	1	27	1	6	1	8
18	Meghalaya	2243	2242	946	111	129	240		165	390	555
19	Mizoram	2108	2039	1585	69	6	75	11	41	7	60
20	Nagaland	1658	1652	863	93	2	95		92	68	161
21	Odisha	15571	15518	5814	1318	1078	2396	524	211	550	1285
22	Punjab	5036	5033	256	430	58	488	5	8	69	82
23	Puducherry	48	49	0	19	0	19		1	5	6
24	Rajasthan	34224	34267	2740	1940	2403	4343	1674	26	4038	5738
25	Sikkim	710	442	336*	10		10		4	4	8
26	Tamil Nadu	13006	13033	2125	2199	489	2688	108	236	325	669
27	Telangana	11231	11208	2540	885	607	1492	299	112	183	593
28	Tripura	1049	1049	629	146		146	1	11	3	15
29	Uttar Pradesh	24093	24170	1659	3046	462	3508	65	305	405	776
30	Uttarakhand	5348	5993	3800	224	228	452	192	388	317	897
31	West Bengal	8875	8683	1173	1842	11	1853	2	49	17	69
32	Andaman & Nicobar Island	825	757	717	7	2	9	4	4	3	11
33	Chandigarh	11	7	0	5		5		0		0
35	Dadra and Nagar Haveli	49	49	20	4	0	4	1		0	1
35	Daman & Diu	11	3		0		0		0	0	0
36	Lakshadweep	3	3		1		1				
Total		328726	307818	71794	26883	16996	43880	10258	3104	12469	25832

Source: Directorate of Economics & Statistics, Ministry of Agriculture and Farmers Welfare.

Contd.

Statement 2.30: State-wise Land Use Classification- 2014-15

(Thousand Hectares)

Fallow Lands			Net Area Sown	Total Cropped Area (Gross Cropped Area)	Area Sown more than once (Col. 17-16)	Cropping Intensity (Col.17/Col.16 *100)	Agri.Land/ Cultivable Land/ Culturable Land (Col.10 +11+15+16)	Cultivated Land (Col.13 +15)	Uncultivable/ Unculturable Land (Col.4-20)	Uncultivated Land (Col.4-21)
Fallow Lands other than Current Fallows	Current Fallows	Total (col. 13+ 14)								
(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
858	1401	2260	6236	7690	1454	123.3	9047	7638	7230	8639
65	36	101	225	299	74	132.8	423	261	6805	6967
87	87	175	2827	4083	1255	144.4	3364	2915	4480	4929
119	889	1008	5278	7673	2395	145.4	6579	6167	2781	3193
258	267	525	4681	5728	1047	122.4	5558	4948	8232	8842
8	12	20	22	35	13	161.5	53	34	95	114
	15	15	129	158	28	122.0	197	144	164	217
16	379	395	10302	12773	2471	124.0	12661	10681	6408	8388
22	86	108	3522	6536	3014	185.6	3656	3608	716	764
22	54	76	550	918	368	167.0	812	604	3764	3971
15	106	121	758	1178*	419	155.3	1075	864	2982	3193
1122	1386	2507	1385	1554	169	112.2	4343	2770	3627	5200
525	1572	2097	10044	12247	2203	121.9	12827	11615	6225	7437
55	65	120	2043	2625	582	128.5	2266	2108	1620	1778
483	388	871	15351	23810	8459	155.1	17252	15740	13504	15017
1188	1399	2587	17345	23474	6129	135.3	21099	18744	9659	12015
0	0	0	383	383	0	100.0	390	383	1728	1734
155	60	215	286	343	57	120.0	1056	347	1186	1895
127	47	174	145	145	0	100.0	367	191	1672	1848
99	50	149	384	500	116	130.3	694	434	958	1218
631	918	1549	4474	5173	699	115.6	6784	5392	8734	10126
6	83	89	4119	7857	3738	190.8	4285	4202	748	831
3	5	8	16	27	11	168.3	29	21	19	28
2069	1856	3925	17521	24235	6714	138.3	25511	19377	8757	14890
5	7	12	77	136	59	176.0	97	84	346	358
1734	998	2732	4819	5995	1175	124.4	8112	5817	4921	7216
805	1401	2206	4377	5315	939	121.5	6877	5777	4331	5431
2	1	3	255	483	228	189.3	272	257	777	793
509	1122	1631	16598	26147	9549	157.5	18939	17720	5231	6451
86	57	144	700	1097	397	156.7	1549	757	4444	5235
11	339	350	5238	9690	4452	185.0	5655	5577	3028	3106
3	3	6	15	24	9	160.9	28	17	730	740
0	0	0	1	2	1	155.9	1	1	6	6
2	2	4	19	23	4	122.7	24	21	25	28
0	0	0	3	3	0	102.3	3	3	0	0
			2	3	1	135.7	2	2	1	1
11092	15091	26182	140130	198360	58230	141.6	181886	155221	125931	152597

Statement 2.31: Agricultural Land by Use in India

S.No.	Classification	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10 &	2010-11	2011-12	2012-13	2013-14	2014-15 (P)
I	Geographical Area for Land Utilisation Statistics	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73
II	Reporting Area for Land Utilisation Statistics (1 to 5)	305.59	306.88	307.09	307.23	307.41	307.41	307.48	307.39	307.49	307.80	307.82
1	Forest	69.96	71.43	71.46	71.53	71.54	71.56	71.59	71.60	71.57	71.83	71.79
	(%)	22.89	23.28	23.27	23.28	23.27	23.28	23.28	23.29	23.28	23.34	23.32
2	Not available for Cultivation (A+B)	42.23	42.32	42.73	42.90	43.06	43.33	43.58	43.53	43.58	43.86	43.88
(A)	Area under non-agricultural uses	24.76	24.99	25.45	25.88	26.21	26.16	26.40	26.31	26.50	26.91	26.88
	%	8.10	8.14	8.29	8.42	8.53	8.51	8.59	8.56	8.62	8.74	8.73
(B)	Barren & Un-culturable Land	17.47	17.33	17.29	17.02	16.85	17.18	17.18	17.22	17.07	16.95	17.00
	%	5.72	5.65	5.63	5.54	5.48	5.59	5.59	5.60	5.55	5.51	5.52
3	Other uncultivated land excluding fallow land (A+B+C)	27.09	27.06	27.04	26.81	26.42	26.50	26.15	26.11	26.08	25.83	25.83
(A)	Permanent Pasture & other Grazing Land	10.45	10.44	10.42	10.36	10.34	10.34	10.30	10.31	10.26	10.26	10.26
	%	3.42	3.40	3.39	3.37	3.37	3.36	3.35	3.36	3.34	3.33	3.33
(B)	Land under miscellaneous tree crops & groves not included in Net Area Sown	3.36	3.39	3.35	3.40	3.34	3.21	3.20	3.16	3.18	3.19	3.10
	%	1.10	1.10	1.09	1.11	1.09	1.05	1.04	1.03	1.03	1.04	1.01
(C)	Culturable Waste land	13.27	13.22	13.27	13.04	12.73	12.95	12.65	12.64	12.64	12.39	12.47

Contd.

Statement 2.31: Agricultural Land by Use in India

S.No.	Classification	(Million Hectares)												
		2004-05	2005-06	2006-07	2007-08	2008-09	2009-10 &	2010-11	2011-12	2012-13	2013-14	2014-15 (P)		
	%	4.34	4.31	4.32	4.25	4.14	4.21	4.11	4.11	4.11	4.02	4.05		
4	Fallow Lands (A+B)	25.67	24.91	26.03	24.98	24.48	26.85	24.60	25.18	26.32	24.85	26.18		
(A)	Fallow Lands other than Current Fallows	10.88	10.70	10.52	10.33	10.29	10.84	10.32	10.67	11.04	10.69	11.09		
	%	3.56	3.49	3.42	3.36	3.35	3.53	3.36	3.47	3.59	3.47	3.60		
(B)	Current Fallows	14.79	14.21	15.51	14.65	14.19	16.01	14.28	14.51	15.29	14.15	15.09		
	%	4.84	4.63	5.05	4.77	4.62	5.21	4.64	4.72	4.97	4.60	4.90		
5	Net Area Sown (6-7)	140.64	141.16	139.82	141.02	141.90	139.17	141.56	140.98	139.94	141.43	140.13		
	%	46.02	46.00	45.53	45.90	46.16	45.27	46.04	45.86	45.51	45.95	45.52		
6	Total Cropped Area (Gross Cropped Area)	191.10	192.74	192.38	195.22	195.33	189.19	197.68	195.80	194.25	200.95	198.36		
7	Area Sown more than once	50.46	51.57	52.56	54.21	53.43	50.02	56.12	54.82	54.31	59.52	58.23		
8	Cropping Intensity*	135.88	136.54	137.59	138.44	137.65	135.94	139.64	138.88	138.81	142.09	141.55		
III	Net Irrigated Area	59.23	60.84	62.74	63.19	63.64	61.94	63.67	65.71	66.29	68.12	68.38		
IV	Gross Irrigated Area	81.08	84.28	86.75	88.06	88.90	85.09	88.94	91.79	92.25	95.77	96.46		

Source: Directorate of Economics & Statistics, Department of Agriculture Cooperation & Farmers Welfare.

&: In 2009-10, there is significant decline in total cropped area and net area sown due to decline in net area sown in the states of Andhra Pradesh, Bihar, Jharkhand, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal. This was mainly due to deficient rainfall

* Cropping Intensity is percentage of the gross cropped area to the net area sown.

Note: Percentages worked out over Reported Area.

P: Provisional

Statement 2.32: Selected categories of agricultural land use in India

(Million Hectares)

Year	Net area sown	Total cropped area	Area sown more than once (3-2)	Net Irrigated Area	Gross Irrigated Area	Area Irrigated more than once (6-5)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1950-51	118.75	131.89	13.15	20.85	22.56	1.71
1960-61	133.20	152.77	19.57	24.66	27.98	3.32
1970-71	140.86	165.79	24.93	31.10	38.20	7.09
1980-81	140.29	172.63	32.34	38.72	49.78	11.06
1990-91	143.00	185.74	42.74	48.02	63.20	15.18
2000-01	141.34	185.34	44.00	55.20	76.19	20.98
2001-02	140.73	188.01	47.28	56.94	78.37	21.43
2002-03	131.94	173.89	41.95	53.90	73.06	19.16
2003-04	140.71	189.66	48.95	57.06	78.04	20.98
2004-05	140.64	191.10	50.46	59.23	81.08	21.85
2005-06	141.16	192.74	51.58	60.84	84.28	23.44
2006-07	139.82	192.38	52.56	62.74	86.75	24.01
2007-08	141.02	195.22	54.21	63.19	88.06	24.87
2008-09	141.90	195.33	53.43	63.64	88.90	25.26
2009-10	139.17	189.19	50.02	61.94	85.09	23.14
2010-11	141.56	197.68	56.12	63.67	88.94	25.27
2011-12	140.98	195.80	54.82	65.71	91.79	26.08
2012-13	139.94	194.25	54.31	66.29	92.25	25.96
2013-14	141.43	200.95	59.52	68.12	95.77	27.66
2014-15 (P)	140.13	198.36	58.23	68.38	96.46	28.07

Source: Land Use Statistics at a Glance , Directorate of Economics & Statistics, Department of Agriculture Cooperation & Farmers Welfare.

(P): Provisional

Statement 2.33: Net area irrigated from different sources and gross irrigated area - All India

(Thousand Hectares)

Year	Source of Irrigation							Net Ir- rigated Area (Col.4 to 8)	Gross Irri- gated Area	Area Ir- rigated More than once (col. 10-9)
	Canals			Tanks	Tube- Wells	Other Wells	Other source			
	Govt.	Private	Total							
1	2	3	4	5	6	7	8	9	10	11
1996-97	16889	220	17109	2821	19338	12457	3388	55113	76025	20912
1997-98	17186	211	17397	2597	19680	12431	3106	55211	75670	20459
1998-99	17099	212	17311	2795	21394	12606	3329	57435	78670	21235
1999-00	17247	194	17441	2539	22042	12597	2912	57531	79216	21685
2000-01	15809	203	16012	2466	22566	11252	2909	55205	76187	20982
2001-02	14993	209	15202	2196	23245	11952	4342	56937	78371	21434
2002-03	13867	206	14073	1811	25627	8728	3659	53898	73056	19158
2003-04	14251	206	14458	1916	26691	9693	4299	57057	78042	20985
2004-05	14553	214	14766	1734	25235	9956	7538	59229	81078	21849
2005-06	16490	227	16718	2083	26025	10044	5966	60837	84279	23442
2006-07	16802	224	17027	2078	26942	10698	5999	62743	86752	24008
2007-08	16531	217	16748	1973	28496	9864	6107	63189	88057	24869
2008-09	16686	195	16881	1981	28366	10389	6020	63637	88895	25258
2009-10	14786	188	14975	1585	28370	9991	7024	61945	85087	23142
2010-11	15475	171	15646	1979	28543	10629	6869	63665	88940	25275
2011-12	15837	172	16008	1917	29943	10594	7245	65707	91786	26079
2012-13	15512	165	15677	1752	30543	10762	7552	66285	92247	25961
2013-14(P)	16115	163	16278	1841	31128	11311	7557	68116	95771	27656
2014-15(P)	16020	163	16182	1723	31606	11354	7519	68383	96457	28074

Source: Directorate of Economics & Statistics, *Department of Agriculture Cooperation & Farmers Welfare*.

(P): Provisional

**Statement 2.34 : State-wise area under organic farming
(Registered under accredited certification bodies)**

(area hectares)

State/UT	Certified cultivated organic Area 2013-14	In-conversion cultivated Area	Total area cultivated under certification process	Wild Area	Total cultivated+Wild
Andhra Pradesh	12325.03	6279.72	18604.75	2000.00	20604.75
Arunachal Pradesh	71.49	0.00	71.49	0.00	71.49
Assam	2828.26	45.33	2873.59	0.00	2873.59
Bihar	180.60	1303.62	1484.22	0.00	1484.22
Chhattisgarh	4113.25	126.93	4240.18	8000	12240.18
Delhi	0.83	138.82	139.65	0.00	139.65
Goa	12853.94	259.05	13112.99	0.00	13112.99
Gujarat	46863.89	6251.43	53115.32	0.00	53115.32
Haryana	3835.78	12420.54	16256.32	0.00	16256.32
Himachal Pradesh	4686.05	1781.41	6467.46	627855.12	634322.58
Jammu & Kashmir	10035.38	135.97	10171.35	0.00	10171.35
Karnataka	30716.21	10400.63	41116.84	69200.00	110316.84
Kerala	15020.23	2727.37	17747.60	0.00	17747.60
Madhya Pradesh	232887.36	27407.17	260294.53	2568209.00	2828503.53
Jharkhand	762.30	0.00	762.30	24300.00	25062.30
Maharashtra	85536.66	50298.44	135835.10	2500.00	138335.10
Manipur	0.00	455.30	455.30	0.00	455.30
Meghalaya	373.13	855.62	1228.75	0.00	1228.75
Mizoram	0.00	8072.53	8072.53	0.00	8072.53
Nagaland	5168.16	949.54	6117.70	0.00	6117.70
Odisha	49813.51	6218.56	56032.07	1315.26	57347.32
Punjab	1534.39	3907.56	5441.95	0.00	5441.95
Puducherry	2.84		2.84		2.84
Rajasthan	66020.35	9145.26	75165.61	151000.00	226165.61
Sikkim	60843.51	27.30	60870.81	308.00	61178.81
Tamil Nadu	3640.07	829.98	4470.05	30803.50	35273.55
Tripura	203.56	144.83	348.39	0.00	348.39
Uttar Pradesh	44670.10	23800.40	68470.50	70632.00	139102.50
Uttarakhand	24739.46	2073.03	26812.49	93879.20	120691.69
West Bengal	2095.51	1110.78	3206.29	0.00	3206.29
Andaman & Nicobar Island	321.28	334.68	655.96	0.00	655.96
Daman & Diu	0.00	0.00	0.00	0.00	0.00
Lakshadweep	895.91	12.13	908.04	0.00	908.04
Total	723039.04	177513.91	900552.95	3650002.08	4550555.03

Source: National Center of Organic Farming, Department of Agriculture & Cooperation, Ministry of Agriculture & Farmers Welfare

**Statement 2.35: State-wise area under organic certification
(including in conversion)**

(Area in Hectares)

State/UT	2012-13	2013-14	2014-15	2015-16	2016-17
Andhra Pradesh	5909.13	12325.03	20524.67	18251.586	17683.893
Arunachal Pradesh	231.49	71.49	3688.61	4185.26	4011.27
Assam	2299.212	2828.26	16258.02	28433.244	23870.399
Bihar	9351.955	180.6	247.1	91.7	1.2
Chhattisgarh	1887.64	4113.25	5163.53	10584.939	12712.137
Delhi	58.4	0.83	69.13	23.03	9.23
Goa	8290.60	12853.94	15621.24	16957.593	15762.433
Gujarat	45275.63	46863.89	49353.55	76813.064	64241.064
Haryana	7532.62	3835.78	6753.66	4869.048	5011.599
Himachal Pradesh	3965.386	4686.05	10053.92	12759.125	12376.722
Jammu & Kashmir	5121.141	10035.38	21111.22	25515.01	22608.315
Jharkhand	254.946	762.3	24698.8	30363.733	26813.947
Karnataka	27191.273	30716.21	52473.16	93963.34	81089.096
Kerala	10568.409	15020.23	22980.9	25899.395	24812.778
Madhya Pradesh	144239.76	232887.36	397546.62	461774.726	464859.434
Maharashtra	66504.92	85536.66	134524.27	198352.289	224007.521
Manipur	11.25	0	168.2	251.4	241.4
Meghalaya	1780.49	373.13	1989.29	4609.422	9629.598
Mizoram	1182	0	764.24	213.8	210
Nagaland	2916.96	5168.16	8362.43	6186.934	4699.934
Odisha	18186.405	49813.51	81533.83	95896.981	92190.1
Puducherry	0.00	2.84	2.84	2.835	2.835
Punjab	1601.474	1534.39	2677.58	961.203	1032.53
Rajasthan	38289.048	66020.35	107523.24	155020.273	151609.913
Sikkim	43107.744	60843.51	76392.38	75851.211	75218.279
Tamil Nadu	3066.977	3640.07	11964.08	14456.5	5712.796
Telangana	0	0	2902.83	10355.587	9687.841
Tripura	209.726	203.56	203.56	203.56	203.56
Uttar Pradesh	32889.853	44670.1	53954.84	61081.828	56249.385
Uttarakhand	20563.754	24739.46	36880.23	37221.387	30907.417
West Bengal	1279.412	2095.51	16266.61	17890.412	5176.026
Andaman & Nicobar Island	321.28	321.28	321.28	0	0
Lakshadweep	350.688	895.91	895.52	895.521	895.523
Total	504439.566	723039.04	1183871.38	1489935.936	1443538.175

Source: Data provided by the accredited certification bodies under National Programme for Organic Production (NPOP) on tracenet

Statement 2.36: Diversion of forest land for non-forest use since the enforcement of forest conservation act

(Area in ha.)

Sl. No.	Year	Forest Area Diverted	Cumulative Area Diverted
1	1980	9.30	9.30
2	1981	1328.96	1338.27
3	1982	3493.30	4831.57
4	1983	5106.01	9937.58
5	1984	9335.11	19272.69
6	1985	7574.75	26847.43
7	1986	8830.90	35678.33
8	1987	27048.94	62727.28
9	1988	19651.67	82378.95
10	1989	64142.84	146521.79
11	1990	127097.36	273619.15
12	1991	1196.64	274815.79
13	1992	8519.68	283335.47
14	1993	11134.58	294470.04
15	1994	14162.79	308632.83
16	1995	50766.05	359398.88
17	1996	30151.41	389550.29
18	1997	27050.00	416600.29
19	1998	10835.55	427435.84
20	1999	20446.93	447882.78
21	2000	17636.72	465519.49
22	2001	116786.53	582306.03
23	2002	30496.90	612802.93
24	2003	14692.88	627495.81
25	2004	27095.31	654591.12
26	2005	15979.11	670570.24
27	2006	17128.59	687698.83
28	2007	16545.25	704244.08
29	2008	16421.64	720665.72
30	2009	79975.66	800641.38
31	2010	23009.96	823651.34
32	2011	14240.99	837892.32
33	2012	10398.22	848290.54
34	2013	14696.38	862986.92
35	2014	18524.94	881511.87
36	2015	14953.09	896464.96
37	2016	8283.62	904748.58
38	2017	15102.97	919851.55
39	2018	2502.05	922353.60

Source : www.forestclearance.nic.in

Statement 2.37 : State-wise Carbon Stock in different forest carbon pools

State	Area in sq km	AGB	BGB	Dead wood	Litter	SOC	Total
Andhra Pradesh	28,147	100,539	38,585	568	4,527	118,471	262,690
		#35.72	#13.71	#0.2	#1.61	#42.09	#93.33
Arunachal Pradesh	66,964	243,462	53,378	4,305	16,231	677,163	994,539
		#36.36	#7.97	#0.64	#2.42	#101.12	#148.52
Assam	28,105	47,343	10,824	1,093	5,240	112,352	176,852
		#16.85	#3.85	#0.39	#1.86	#39.98	#62.93
Bihar	7,299	19,063	6,707	138	625	28,864	55,397
		#26.12	#9.19	#0.19	#0.86	#39.55	#75.9
Chhatisgarh	55,547	206,678	68,159	2,588	7,628	275,927	560,980
		#37.21	#12.27	#0.47	#1.37	#49.67	#100.99
Delhi	192	230	52	2	11	653	948
		#11.98	#2.71	#0.1	#0.57	#34.01	#49.38
Goa	2,229	5,153	1,512	250	417	11,684	19,016
		#23.12	#6.78	#1.12	#1.87	#52.42	#85.31
Gujarat	14,757	32,668	11,719	322	993	64,995	110,697
		#22.14	#7.94	#0.22	#0.67	#44.04	#75.01
Haryana	1,588	3,736	1,269	20	74	7,312	12,411
		#23.53	#7.99	#0.13	#0.47	#46.05	#78.15
Himachal pradesh	15,100	70,655	18,691	739	2,511	83,186	175,782
		#46.79	#12.38	#0.49	#1.66	#55.09	#116.41
Jammu & Kashmir	23,241	112,919	30,083	1,004	3,529	128,391	275,926
		#48.59	#12.94	#0.43	#1.52	#55.24	#118.72
Jharkhand	23,553	86,006	33,173	438	1,298	101,967	222,882
		#36.52	#14.08	#0.19	#0.55	#43.29	#94.63
Karnataka	37,550	128,098	35,045	2,545	19,745	289,652	475,085
		#34.11	#9.33	#0.68	#5.26	#77.14	#126.52
Kerala	20,321	74,166	19,245	1,058	7,436	153,976	255,881
		#36.5	#9.47	#0.52	#3.66	#75.77	#125.92
Madhya Pradesh	77,414	266,040	101,516	1,654	7,741	318,713	695,664
		#34.37	#13.11	#0.21	#1	#41.17	#89.86
Maharashtra	50,682	142,651	48,947	1,986	9,385	290,052	493,021
		#28.15	#9.66	#0.39	#1.85	#57.23	#97.28
Manipur	17,346	27,253	8,821	530	3,909	102,578	143,091
		#15.71	#5.09	#0.31	#2.25	#59.14	#82.49
Meghalaya	17,146	25,168	6,835	881	5,184	117,772	155,840
		#14.68	#3.99	#0.51	#3.02	#68.69	#90.89
Mizoram	18,186	15,359	3,173	633	2,652	73,224	95,041
		#8.45	#1.74	#0.35	#1.46	#40.26	#52.26
Nagaland	12,489	16,151	4,150	666	2,432	101,661	125,060
		#12.93	#3.32	#0.53	#1.95	#81.4	#100.14

Contd.

Statement 2.37 : State-wise Carbon Stock in different forest carbon pools

State	Area in sq km	AGB	BGB	Dead wood	Litter	SOC	Total
Odisha	51,345	152,525	50,407	2,108	9,087	238,776	452,903
		#29.71	#9.82	#0.41	#1.77	#46.5	#88.21
Punjab	1,837	5,095	1,883	26	63	8,971	16,038
		#27.74	#10.25	#0.14	#0.34	#48.84	#87.31
Rajasthan	16,572	32,558	12,736	216	721	43,429	89,660
		#19.65	#7.69	#0.13	#0.44	#26.21	#54.1
Sikkim	3,344	13,379	3,735	211	585	30,624	48,534
		#40.01	#11.17	#0.63	#1.75	#91.58	#145.14
Tamilnadu	26,281	84,067	29,252	1,006	5,579	109,434	229,338
		#31.99	#11.13	#0.38	#2.12	#41.64	#87.26
Telangana	20,419	72,498	28,388	333	3,117	80,639	184,975
		#35.51	#13.9	#0.16	#1.53	#39.49	#90.59
Tripura	7,726	15,674	3,224	556	1,613	42,341	63,408
		#20.29	#4.17	#0.72	#2.09	#54.8	#82.07
Uttar Pradesh	14,679	47,752	14,264	444	1,824	60,850	125,134
		#32.53	#9.72	#0.3	#1.24	#41.45	#85.25
Uttarakhand	24,295	105,173	26,961	1,316	5,665	145,549	284,664
		#43.29	#11.1	#0.54	#2.33	#59.91	#117.17
West Bengal	16,847	45,382	13,916	434	2,585	100,884	163,201
		#26.94	#8.26	#0.26	#1.53	#59.88	#96.87
Andaman & Nicobar Islands	6,742	39,426	11,901	2,048	3,702	57,996	115,073
		#58.48	#17.65	#3.04	#5.49	#86.02	#170.68
Chandigarh	22	61	19	0	2	122	204
		#27.73	#8.64	0	#0.91	#55.45	#92.73
Dadra & Nagar Haveli	207	447	106	10	35	827	1,425
		#21.59	#5.12	#0.48	#1.69	#39.95	#68.84
Daman & Diu	20	11	2	0	2	76	91
		#5.5	#1	0	#1	#38	#45.5
Lakshdweep	27	55	*0	1	5	100	161
		#20.37	0	#0.37	#1.85	#37.04	#59.63
Puducherry	54	108	23	1	8	311	451
		#20	#4.26	#0.19	#1.48	#57.59	#83.52
Total	708,273	2,237,549	698,701	30,130	136,161	3,979,522	7,082,063
		#31.59	#9.86	#0.43	#1.92	#56.19	#99.99

* In Lakshadweep, most of the forest cover is of Cocos nucifera for which no suitable ratio for BGB is available.

Note: # per ha stock in tonnes

Source :India State of Forest Report, 2017

AGB- Above Ground Biomass

BGB- Below Ground Biomass

SOC- Soil Organic Carbon

Statement 2.38: Forest type and density-wise carbon stock in different carbon pools

Forest Type Stratum	Density	Area in sq km	AGB	BGB	Dead wood	Litter	SOC	Total
Tropical Wet Evergreen Forests	VDF	8,761	57,107	19,754	3,173	4,969	82,619	167,622
			#65.18	#22.55	#3.62	#5.67	#94.3	#191.33
	MDF	9,022	38,686	13,155	320	3,381	75,577	131,119
			#42.88	#14.58	#0.35	#3.75	#83.77	#145.33
	OF	3,089	4,210	1,549	74	867	22,629	29,329
			#13.63	#5.01	#0.24	#2.81	#73.26	#94.95
Tropical Semi-Evergreen Forests	VDF	19,475	111,801	22,995	3,541	9,187	249,478	397,002
			#57.41	#11.81	#1.82	#4.72	#128.1	#203.85
	MDF	43,671	129,997	26,738	1,583	14,889	345,448	518,655
			#29.77	#6.12	#0.36	#3.41	#79.1	#118.76
	OF	34,893	32,943	6,776	737	7,934	160,382	208,772
			#9.44	#1.94	#0.21	#2.27	#45.96	#59.83
Tropical Moist Deciduous Forests	VDF	24,606	91,484	18,816	2,881	6,912	183,781	303,874
			#37.18	#7.65	#1.17	#2.81	#74.69	#123.5
	MDF	72,288	183,409	37,723	5,957	24,850	446,233	698,172
			#25.37	#5.22	#0.82	#3.44	#61.73	#96.58
	OF	47,853	56,807	11,684	1,914	8,638	241,925	320,968
			#11.87	#2.44	#0.4	#1.81	#50.56	#67.07
Littoral and Swamp Forests	VDF	1,924	13,482	4,664	4	224	15,639	34,013
			#70.07	#24.24	#0.02	#1.16	#81.28	#176.78
	MDF	2,318	10,093	3,491	5	157	13,253	26,999
			#43.54	#15.06	#0.02	#0.68	#57.17	#116.48
	OF	2,398	3,381	1,169	5	94	7,905	12,554
			#14.1	#4.87	#0.02	#0.39	#32.96	#52.35
Tropical Dry Deciduous Forests	VDF	23,480	146,704	57,605	1,075	15,231	139,076	359,691
			#62.48	#24.53	#0.46	#6.49	#59.23	#153.19
	MDF	122,916	725,220	284,765	1,812	7,568	647,378	1,666,743
			#59	#23.17	#0.15	#0.62	#52.67	#135.6
	OF	133,111	170,285	66,864	1,750	5,573	399,438	643,910
			#12.79	#5.02	#0.13	#0.42	#30.01	#48.37
Tropical Thorn Forests	VDF	330	439	170	12	72	899	1,592
			#13.3	#5.15	#0.36	#2.18	#27.24	#48.24
	MDF	3,547	4,168	1,624	89	467	10,701	17,049
			#11.75	#4.58	#0.25	#1.32	#30.17	#48.07
	OF	9,521	4,674	1,825	120	724	18,502	25,845
			#4.91	#1.92	#0.13	#0.76	#19.43	#27.15

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Statement 2.38: Forest type and density-wise carbon stock in different carbon pools

Forest Type Stratum	Density	Area in sq km	AGB	BGB	Dead wood	Litter	SOC	Total
Tropical Dry Evergreen Forests	VDF	141	685	269	17	14	1,255	2,240
			#48.58	#19.08	#1.21	#0.99	#89.01	#158.87
	MDF	492	1,640	644	18	94	2,087	4,483
			#33.33	#13.09	#0.37	#1.91	#42.42	#91.12
	OF	244	460	181	5	22	856	1,524
			#18.85	#7.42	#0.2	#0.9	#35.08	#62.46
Subtropical Broadleaved Hill Forest	VDF	1,948	6,463	2,098	185	368	23,677	32,791
			#33.18	#10.77	#0.95	#1.89	#121.55	#168.33
	MDF	8,590	19,512	7,219	314	2,417	72,680	102,142
			#22.71	#8.4	#0.37	#2.81	#84.61	#118.91
	OF	8,621	13,648	5,282	173	1,606	59,996	80,705
			#15.83	#6.13	#0.2	#1.86	#69.59	#93.61
Subtropical Pine Forests	VDF	2,069	10,007	2,526	248	298	19,554	32,633
			#48.37	#12.21	#1.2	#1.44	#94.51	#157.72
	MDF	9,908	30,154	7,611	363	1,293	62,773	102,194
			#30.43	#7.68	#0.37	#1.31	#63.36	#103.14
	OF	7,917	16,678	4,210	159	728	40,761	62,536
			#21.07	#5.32	#0.2	#0.92	#51.49	#78.99
Subtropical Dry Evergreen Forest	VDF	7	40	16	1	0	79	136
			#57.14	#22.86	#1.43	0	#112.86	#194.29
	MDF	61	245	96	2	3	582	928
			#40.16	#15.74	#0.33	#0.49	#95.41	#152.13
	OF	115	347	136	2	4	610	1,099
			#30.17	#11.83	#0.17	#0.35	#53.04	#95.57
Montane Wet Temperate Forests	VDF	1,795	7,385	1,864	245	435	16,376	26,305
			#41.14	#10.38	#1.36	#2.42	#91.23	#146.55
	MDF	1,759	4,684	1,182	64	341	13,326	19,597
			#26.63	#6.72	#0.36	#1.94	#75.76	#111.41
	OF	1,431	1,364	344	29	232	8,245	10,214
			#9.53	#2.4	#0.2	#1.62	#57.62	#71.38
Himalayan Moist Temperate Forest	VDF	8,480	61,887	15,622	1,156	2,548	70,853	152,066
			#72.98	#18.42	#1.36	#3	#83.55	#179.32
	MDF	13,376	74,476	18,799	489	3,393	97,859	195,016
			#55.68	#14.05	#0.37	#2.54	#73.16	#145.8
	OF	7,360	19,568	4,940	148	1,466	41,935	68,057
			#26.59	#6.71	#0.2	#1.99	#56.98	#92.47

Contd.

Statement 2.38: Forest type and density-wise carbon stock in different carbon pools

Forest Type Stratum	Density	Area in sq km	AGB	BGB	Dead wood	Litter	SOC	Total
Himalayan Dry Temperate Forests	VDF	1,376	15,403	4,176	165	236	13,469	33,449
			#111.94	#30.35	#1.2	#1.72	#97.89	#243.09
	MDF	2,144	12,342	3,346	78	316	14,199	30,281
			#57.57	#15.61	#0.36	#1.47	#66.23	#141.24
	OF	1,663	6,313	1,711	33	145	6,914	15,116
			#37.96	#10.29	#0.2	#0.87	#41.58	#90.9
Sub-Alpine Forests	VDF	2,991	21,159	5,737	358	558	32,990	60,802
			#70.74	#19.18	#1.2	#1.87	#110.3	#203.28
	MDF	5,416	22,514	6,104	198	534	35,477	64,827
			#41.57	#11.27	#0.37	#0.99	#65.5	#119.7
	OF	4,517	13,891	3,766	91	291	20,507	38,546
			#30.75	#8.34	#0.2	#0.64	#45.4	#85.34
Moist Alpine Scrubs	VDF	208	1,044	283	25	19	1,643	3,014
			#50.19	#13.61	#1.2	#0.91	#78.99	#144.9
	MDF	417	1,169	317	15	35	2,915	4,451
			#28.03	#7.6	#0.36	#0.84	#69.9	#106.74
	OF	516	879	238	10	34	2,605	3,766
			#17.03	#4.61	#0.19	#0.66	#50.48	#72.98
Dry Alpine Scrub	VDF	195	1,588	431	23	23	1,687	3,752
			#81.44	#22.1	#1.18	#1.18	#86.51	#192.41
	MDF	444	1,415	384	16	53	3,621	5,489
			#31.87	#8.65	#0.36	#1.19	#81.55	#123.63
	OF	986	2,843	771	20	99	2,757	6,490
			#28.83	#7.82	#0.2	#1	#27.96	#65.82
Plantation/ TOF	VDF	372	1,456	300	2	77	3,373	5,208
			#39.14	#8.06	#0.05	#2.07	#90.67	#140
	MDF	11,949	35,774	7,350	427	2,797	89,464	135,812
			#29.94	#6.15	#0.36	#2.34	#74.87	#113.66
	OF	37,562	45,623	9,381	0	3,946	153,537	212,487
			#12.15	#2.5	0	#1.05	#40.88	#56.57
	Total	708,273	2,237,546	698,701	30,131	136,162	3,979,525	7,082,065
			#31.59	#9.86	#0.43	#1.92	#56.19	#99.99

Note: # per ha stock in tonnes

Source :India State of Forest Report, 2017

AGB- Above Ground Biomass

VDF: Very Dense Forest

BGB- Below Ground Biomass

MDF : Moderatly Dense Forest

SOC- Soil Organic Carbon

OF : Other Forests

Statement 2.39 : State-wise growing stock

State/UT	Geograph- ical Area (sq km)	Recorded Forest Area (sq km)	Volume of Growing Stock (million cum)		
			In Forest	In Tree Out- side Forest	Total
Andhra Pradesh	162,968	37,258	156.0	62.3	218.4
Arunachal Pradesh	83,743	51,407	420.8	90.7	511.5
Assam	78,438	26,832	133.1	30.2	163.3
Bihar	94,163	6,877	28.5	37.5	66.0
Chhattisgarh	135,192	59,772	323.7	86.3	410.0
Delhi	1,483	102	0.5	1.3	1.8
Goa	3,702	1,225	9.5	3.8	13.3
Gujarat	196,244	21,647	52.0	114.0	166.0
Haryana	44,212	1,559	5.4	15.5	20.9
Himachal Pradesh	55,673	37,033	315.6	23.2	338.8
Jammu & Kashmir	222,236	20,230	232.8	146.1	378.9
Jharkhand	79,716	23,605	117.1	64.4	181.5
Karnataka	191,791	38,284	327.7	89.6	417.2
Kerala	38,852	11,309	167.1	51.9	219.0
Madhya Pradesh	308,252	94,689	285.6	97.5	383.1
Maharashtra	307,713	61,579	252.6	164.5	417.1
Manipur	22,327	17,418	53.2	7.8	61.0
Meghalaya	22,429	9,496	38.7	17.3	56.0
Mizoram	21,081	5,641	19.1	42.8	61.8
Nagaland	16,579	8,623	36.9	11.4	48.3
Odisha	155,707	61,204	258.0	81.5	339.6
Punjab	50,362	3,084	12.9	20.0	33.0
Rajasthan	342,239	32,737	46.3	81.9	128.1
Sikkim	7,096	5,841	26.3	2.0	28.2
Tamil Nadu	130,060	22,877	127.8	66.3	194.1
Telengana	112,077	26,904	60.5	39.7	100.1
Tripura	10,486	6,294	21.7	6.5	28.2
Uttar Pradesh	240,928	16,582	135.8	88.3	224.2
Uttarakhand	53,483	38,000	418.3	19.9	438.2
West Bengal	88,752	11,879	76.6	38.1	114.7
Andaman & Nicobar Islands	8,249	7,171	55.9	0.6	56.5
Chandigarh	114	35	0.3	0.1	0.4
Dadra & Nagar Haveli	491	204	1.9	0.8	2.6
Daman & Diu	111	8	0.0	0.1	0.1
Lakshadweep	30	0	0.0	0.1	0.1
Puducherry	490	13	0.1	0.3	0.4
Total	3287469*	767419*	4218.4	1604.0	5822.4

*: Includes Jammu & Kashmir area outside LoC that is under illegal occupation of Pakistan and China.

Source :India State of Forest Report, 2017

Statement 2.40 : Physiographic Zone-wise growing stock

Physiographic Zone	Areas of Phy. Zone (sqkm)	Growing Stock (million cum)		
		Forest	TOF	Total
Western Himalayas	328,952	960.0	189.5	1149.5
Eastern Himalayas	81,752	391.6	82.3	473.9
North East Ranges	127,857	287.2	114.1	401.3
Northern Plains	295,909	141.1	108.9	250.0
Eastern Plains	222,365	178.3	76.8	255.2
Western Plains	320,507	11.3	60.5	71.7
Central Highlands	371,281	135.9	118.3	254.2
North Deccan	365,711	293.7	106.1	399.8
East Deccan	333,824	671.5	237.9	909.4
South Deccan	291,317	219.3	112.7	332.0
Western Ghats	73,681	423.1	117.7	540.8
Eastern Ghats	192,068	272.2	66.0	338.3
West Coast	113,611	150.2	136.8	287.0
East Coast	168,634	83.0	76.5	159.4
Total	3,287,469	4218.4	1604.0	5822.4
Growing stock (ISFR 2015)		4195.0	1573.3	5768.4
Change		23.3	30.7	54.0

Source :India State of Forest Report, 2017

Statement 2.41: Year-wise Fish Production-India

(in lakh tonnes)

Sl No.	Year	Marine	Inland	Total
1	1950-51	5.34	2.18	7.52
2	1960-61	8.80	2.80	11.60
3	1970-71	10.86	6.70	17.56
4	1980-81	15.55	8.87	24.42
1	1990-91	23.00	15.36	38.36
11	2000-01	28.11	28.45	56.56
12	2001-02	28.30	31.26	59.56
13	2002-03	29.90	32.10	62.00
14	2003-04	29.41	34.58	63.99
15	2004-05	27.79	35.25	63.04
16	2005-06	28.16	37.56	65.72
17	2006-07	30.24	38.45	68.69
18	2007-08	29.20	42.07	71.27
19	2008-09	29.78	46.38	76.16
20	2009-10	31.04	48.94	79.98
21	2010-11	32.50	49.81	82.31
22	2011-12	33.72	52.95	86.67
23	2012-13	33.21	57.20	90.41
24	2013-14	34.43	61.36	95.79
25	2014-15	35.69	66.91	102.60
26	2015-16	36.00	71.62	107.62
27	2016-17 (P)	36.41	77.69	114.10

Source : Annual Report -2016-17, Department of Animal Husbandry ,Dairying and Fisheries
P: Provisional

Statement 2.42: State-wise fish production

Sl. No.	State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17(P)
1	Andhra Pradesh	891.09	856.93	1010.09	1252.78	1293.86	1368.20	1603.17	1808.08	2018.42	1978.58	2352.26	2766.19
2	Arunachal Pradesh	2.75	2.77	2.83	2.88	2.65	3.15	3.30	3.71	3.62	4.00	4.05	4.11
3	Assam	188.01	181.48	190.32	206.15	218.82	227.24	228.62	254.27	266.70	282.70	294.20	306.60
4	Bihar	279.53	267.04	319.10	300.65	297.40	299.91	344.47	400.14	432.30	479.80	506.89	510.00
5	Chattisgarh	131.75	137.75	139.37	158.70	174.25	228.21	250.70	255.61	284.96	314.16	342.30	376.80
6	Goa	104.95	102.39	33.43	86.21	84.33	93.27	89.96	77.88	114.06	117.98	111.91	117.89
7	Gujarat	733.81	747.33	721.91	765.90	771.52	774.90	783.72	788.49	793.42	809.93	809.56	812.10
8	Haryana	48.20	60.08	67.24	76.29	100.46	96.20	106.00	111.48	116.897	111.20	121.00	144.21
9	Himachal Pradesh	7.30	6.89	7.85	7.79	7.75	7.38	8.05	8.56	9.83	10.74	11.80	12.48
10	Jammu & Kashmir	19.15	19.20	17.33	19.27	18.94	19.70	19.85	19.95	20.00	20.30	20.08	18.80
11	Jharkhand	34.27	34.27	67.89	75.80	70.50	71.89	91.68	96.60	104.82	106.43	116.00	145.16
12	Karnataka	297.57	292.46	297.69	361.85	408.05	526.58	546.44	525.57	555.31	623.24	580.57	557.49
13	Kerala	636.89	677.63	667.33	685.99	663.12	681.61	693.21	679.74	708.65	726.01	727.51	608.72
14	Madhya Pradesh	61.08	65.04	63.89	68.47	66.12	56.45	75.41	85.16	96.26	109.12	115.02	138.69
15	Maharashtra	580.54	595.94	556.45	523.10	538.35	595.25	578.79	586.37	602.68	608.07	579.69	662.91
16	Manipur	18.22	18.61	18.60	18.80	19.20	20.20	22.22	24.50	28.54	30.50	32.04	32.00
17	Meghalaya	4.12	5.49	4.00	3.96	4.21	4.56	4.77	5.42	5.75	6.04	11.34	0.01
18	Mizoram	3.75	3.76	3.76	2.89	3.04	2.90	2.93	5.43	5.94	6.39	6.83	7.63
19	Nagaland	5.50	5.80	5.80	6.18	6.36	6.59	6.84	7.13	7.47	7.84	8.22	8.61
20	Odisha	325.45	342.04	349.48	374.82	370.54	386.19	381.18	410.14	413.79	469.55	521.28	608.10
21	Punjab	85.64	86.70	78.73	86.21	122.86	97.04	97.62	99.13	104.02	114.77	120.09	112.13
22	Rajasthan	18.50	22.20	25.70	24.10	26.91	28.20	47.85	55.16	35.10	45.42	42.46	50.20
23	Sikkim	0.15	0.15	0.18	0.17	0.17	0.18	0.28	0.49	0.42	0.44	0.40	0.40
24	Tamil Nadu	463.03	542.28	559.36	534.17	534.17	614.81	611.49	620.40	624.30	697.61	709.16	669.31
25	Telangana										268.36	236.75	198.92
26	Tripura	23.87	28.63	36.25	36.00	42.27	49.23	53.34	57.46	61.95	65.16	69.06	72.45
27	Uttarakhand	2.79	3.03	3.09	3.16	3.49	3.82	3.83	3.85	3.89	3.94	4.14	4.30
28	Uttar Pradesh	289.58	306.73	325.95	349.27	392.93	417.48	429.72	449.75	464.48	494.27	504.81	617.69
29	West Bengal	1250.00	1359.10	1447.26	1484.00	1505.00	1443.26	1472.05	1490.02	1580.65	1617.32	1671.42	1701.82
30	Andaman & Nicobar Island	12.10	28.68	28.69	32.49	33.16	33.92	35.26	36.62	36.95	37.18	37.33	38.81
31	Chandigarh	0.09	0.17	0.21	0.24	0.24	0.24	0.10	0.05	0.11	0.12	0.13	0.13
32	Dadra & Nagar Haveli	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.00	0.00
33	Daman & Diu	17.79	16.41	26.36	14.14	15.88	16.98	17.43	19.01	19.86	31.82	23.03	24.02
34	Delhi	0.70	0.61	0.61	0.72	0.72	0.82	0.74	0.69	0.88	0.68	0.71	0.72
35	Lakshadweep	11.96	11.75	11.04	12.59	12.37	12.37	12.37	12.37	18.72	13.19	15.94	29.80
36	Puducherry	21.45	39.66	39.01	40.30	41.95	41.95	42.40	41.07	42.08	47.40	53.81	50.25
Total		6571.63	6869.05	7126.83	7616.09	7851.61	8230.71	8666.49	9040.34	9578.969	10260.283	10761.76	11409.45

Source: Annual Report-2016-17, Department of Animal Husbandry, Dairying and Fisheries, Ministry of Agriculture and Farmers Welfare P : Provisional

Statement 2.43: Area under major crops

(Thousand Hectares)

Year	F O O D G R A I N S													
	Rice	Jowar	Bajra	Maize	Ragi/ Marua	Wheat	Barley	Other Cereals & Millets	Total Cereals & Millets (col.2 to 9)	Gram	Tur or Arhar	Other pulses (Excl. Gram & Tur or Arhar)	Total Pulses (col.11 to 13)	Total Foodgrains (col.10+14)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1950-51	31056	15554	9744	3250	2254	10010	3198	5576	80642	7803	2228	10523	20554	101196
1960-61	34056	18426	11470	4401	2478	12931	3140	4997	91899	9274	2429	11962	23665	115564
1970-71	37381	16871	13391	5856	2474	18293	2556	4962	101784	7820	2639	12667	23126	124910
1980-81	40237	16412	11658	6032	2504	22225	1799	4033	104900	6547	2877	13284	22708	127608
1990-91	42744	14158	10735	5893	2145	24046	972	2372	103065	7471	3609	13803	24883	127948
2000-01	44761	9915	10022	6805	1816	25797	789	1449	101354	5318	3665	12343	21326	122680
2001-02	44904	9795	9529	6582	1647	26345	660	1311	100771.2	6416	3328	12265	22008.4	122779.6
2002-03	41176	9300	7740	6635	1415	25196	702	1201	93364	5906	3359	11231	20496.2	113860.2
2003-04	42593	9331	10612	7343	1666	26595	657	1191	99988	7048	3516	12894	23458	123446
2004-05	41907	9092	9233	7430	1553	26383	617	1101	97315.1	6715	3519	12530	22763	120078
2005-06	43660	8667	9581	7588	1534	26484	630	1064	99208.3	6926	3581	11884	22391	121600
2006-07	43814	8473	9508	7894	1177	27995	646	1010	100516.3	7494	3562	12137	23192	123708
2007-08	43914	7764	9571	8117	1387	28039	603	1039	100434.5	7544	3726	12364	23633	124068
2008-09	45537	7531	8753	8174	1381	27752	706	905	100739	7893	3378	10824	22094	122833
2009-10	41918	7787	8904	8262	1268	28457	624	831	98050.8	8169	3466	11647	23282	121332
2010-11	42863	7382	9612	8553	1286	29069	705	800	100270	9186	4367	12849	26402	126672
2011-12	44006	6245	8777	8782	1176	29865	643	799	100293	8299	4007	12156	24462	124755
2012-13	42754	6214	7297	8673	1131	29995	695	754	97514	8522	3893	10842	23257	120771
2013-14	44136	5793	7811	9066	1194	30473	674	682	99829	9927	3905	11379	25211	125040
2014-15	44111	6161	7318	9185	1208	31466	707	590	100746	8251	3854	11448	23553	124299
2015-16	43499	6077	7129	8806	1138	30418	589	650	98306	8399	3963	12549	24911	123217

Sources : Directorate of Economics and Statistics, Ministry of Agriculture and Farmers Welfare

Statement 2.44 : Production of major crops

		(as on 27.02.2018)															(in Million Tonnes)		
S. No.	Crop	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18*			
1	Rice	88.53	83.13	91.79	93.36	96.69	99.18	89.09	95.98	105.3	105.24	106.65	105.48	104.41	109.7	111.01			
2	Wheat	72.16	68.64	69.35	75.81	78.57	80.68	80.8	86.87	94.88	93.51	95.85	86.53	92.29	98.51	97.11			
3	Coarse Cereals	37.6	33.46	34.07	33.92	40.75	40.04	33.55	43.4	42.01	40.04	43.29	42.86	38.52	43.77	45.42			
4	Cereals	198.28	185.23	195.22	203.08	216.01	219.9	203.45	226.25	242.2	238.79	245.79	234.87	235.22	251.98	253.54			
5	Total Pulses	14.91	13.13	13.38	14.2	14.76	14.57	14.66	18.24	17.09	18.34	19.25	17.15	16.35	23.13	23.95			
6	Total Foodgrains	213.19	198.36	208.6	217.28	230.78	234.47	218.11	244.49	259.29	257.13	265.04	252.02	251.57	275.11	277.49			
(in Lakh Tonnes)																			
7	Groundnut	81.27	67.74	79.93	48.64	91.83	71.68	54.28	82.65	69.64	46.95	97.14	74.02	67.33	74.62	82.17			
8	Castorseed	7.97	7.93	9.91	7.62	10.54	11.71	10.09	13.5	22.95	19.64	17.27	18.7	17.52	13.76	14.97			
9	Sesamum	7.82	6.74	6.41	6.18	7.57	6.4	5.88	8.93	8.1	6.85	7.15	8.28	8.5	7.47	7.16			
10	Nigerseed	1.09	1.12	1.08	1.21	1.1	1.17	1	1.08	0.98	1.02	0.98	0.76	0.74	0.85	0.73			
11	Rapeseed & Mustard	62.91	75.93	81.31	74.38	58.34	72.01	66.08	81.79	66.04	80.29	78.77	62.82	67.97	79.17	75.4			
12	Linseed	1.97	1.7	1.73	1.68	1.63	1.69	1.54	1.47	1.52	1.49	1.41	1.55	1.25	1.84	1.77			
13	Safflower	1.35	1.74	2.29	2.4	2.25	1.89	1.79	1.5	1.45	1.09	1.13	0.9	0.53	0.94	0.41			
14	Sunflower	9.3	11.87	14.39	12.28	14.63	11.58	8.51	6.51	5.17	5.44	5.04	4.34	2.96	2.51	2.3			
15	Soyabean	78.18	68.76	82.74	88.51	109.68	99.05	99.64	127.36	122.14	146.66	118.61	103.74	85.7	131.59	113.9			
16	Total Nine Oilseeds	251.86	243.54	279.78	242.89	297.55	277.19	248.82	324.79	297.99	309.43	327.49	275.11	252.51	312.76	298.82			
17	Cotton #	137.29	164.29	184.99	226.32	258.84	222.76	240.22	330	352	342.2	359.02	348.05	300.05	325.77	339.15			
18	Jute # #	102.52	93.99	99.7	103.17	102.2	96.34	112.3	100.09	107.36	103.4	110.83	106.18	99.4	104.32	99.78			
19	Mesta # #	9.21	8.73	8.7	9.56	9.9	7.31	5.87	6.11	6.63	5.9	6.07	5.08	5.83	5.3	5.28			
20	Jute & Mesta # #	111.73	102.72	108.4	112.73	112.11	103.65	118.17	106.2	113.99	109.3	116.9	111.26	105.24	109.62	105.05			
21	Sugarcane	2338.62	2370.88	2811.72	3555.2	3481.88	2850.29	2923.02	3423.82	3610.37	3412	3521.42	3623.33	3484.48	3060.69	3532.26			

Sources : Directorate of Economics and Statistics, Ministry of Agriculture and Farmers Welfare

: Lakh bales of 170 kgs each

* : Second advance estimates

Statement 2.45: Use of agricultural inputs

Sl. No.	Programme	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
1.	Seeds															
	I. Production of Breeder Seeds	Thousand Quintals	48.42	61.82	66.46	68.64	73.83	91.96	94.41	102	118.85	123.38	110.2	82.29	86.21	90.37
	II. Production of Foundation Seeds	Lakh Quintals	6.14	6.50	6.90	7.40	7.96	8.22	9.69	10.5	17.53	21.86	16.17	17.43	15.76	14.95
	III. Distribution of Certified/Quality Seeds	Lakh Quintals	98.03	108.59	120.26	126.75	155.01	179.05	215.81	257.11	277.34	294.85	313.44	301.39	303.12	304.04
2.	Consumption of Chemical Fertilizers															
	I. Nitrogenous(N)	Lakh Tonnes	104.74	110.77	117.13	127.23	137.73	144.19	150.91	155.8	165.58	173.00	168.21	167.5	169.46	173.72
	II. Phosphatic(P)	Lakh Tonnes	40.19	41.24	46.24	52.04	55.43	55.15	65.06	72.74	80.5	79.14	66.53	56.33	60.98	69.79
	III. Potassic(K)	Lakh Tonnes	16.01	15.98	20.60	24.13	23.35	26.36	33.13	36.32	35.14	25.76	20.62	20.99	25.32	24.02
	Total (N+P+K)	Lakh Tonnes	160.94	167.99	183.97	203.40	216.51	225.70	249.10	264.86	281.22	277.90	255.36	244.82	255.76	267.53
	Per Hectare*	Kg	91.45	88.05	94.52	105.50	111.76	115.27	127.53	140.15	142.52	142.33	130.79	125.39	128.08	130.66
3.	Consumption of Pesticides(Technical Grade)	Thousand Tonnes	48.30	41.00	40.67	39.77	43.41	41.64	43.86	41.82	55.54	52.98	45.62	60.28	56.12	50.41
4	Area covered under Soil Conservation#	Lakh ha	4.30	5.55	7.37	8.67	11.41	7.34	6.90	5.32	7.49	4.72	5.46	-	-	-

Source : Agricultural Statistics at a Glance 2016. Department of Agriculture Cooperation and Farmers Welfare

3. States/UTs Zonal Conference, Kharif & Rabi

*Based on Gross Cropped Area upto 2012-13 and for 2013-14 and 2014-15, GCA is estimated in Zonal conference.

Statement 2.46 : All-India consumption of fertilisers in terms of nutrients (N, P & K)

(Thousand Tonnes)

Year	N	P	K	Total
1950-51	58.7	6.9	-	65.6
1960-61	210.0	53.1	29.0	292.1
1970-71	1487.0	462.0	228.0	2177.0
1980-81	3678.1	1213.6	623.9	5515.6
1990-91	7997.2	3221.0	1328.0	12546.2
2000-01	10920.2	4214.6	1567.5	16702.3
2001-02	11310.2	4382.4	1667.1	17359.7
2002-03	10474.1	4018.8	1601.2	16094.1
2003-04	11077.0	4124.3	1597.9	16799.1
2004-05	11713.9	4623.8	2060.6	18398.3
2005-06	12723.3	5203.7	2413.3	20340.3
2006-07	13772.9	5543.3	2334.8	21651.0
2007-08	14419.1	5514.7	2636.3	22570.1
2008-09	15090.5	6506.2	3312.6	24909.3
2009-10	15580.0	7274.0	3632.4	26486.4
2010-11	16558.2	8049.7	3514.3	28122.2
2011-12	17300.3	7914.3	2575.4	27790.0
2012-13	16820.9	6653.4	2061.8	25536.2
2013-14	16750.1	5633.5	2098.9	24482.4
2014-15	16945.4	6098.4	2532.3	25576.1
2015-16	17372.3	6978.8	2401.5	26752.6

N : Nitrogen P : Phosphorous K : Potash (Potassium)

Source: Agricultural Statistics at a Glance-2016, Department of Agriculture Cooperation and Farmers Welfare

Statement 2.47: State-wise, Nutrient-wise consumption of Fertilizers

(Kg/Hectare)

State	2011-12				2012-13				2013-14			
	N	P	K	Total	N	P	K	Total	N	P	K	Total
Andhra Pradesh	143.71	75.81	23.41	242.93	130.47	52.30	18.48	201.25	140.36	57.03	22.74	220.13
Arunachal Pradesh	1.96	0.36	0.11	2.43	1.58	0.11	0.32	2.01	0.00	0.00	0.00	0.00
Assam	36.19	11.76	18.09	66.04	35.99	11.69	17.99	65.67	49.18	13.56	26.04	88.78
Bihar	126.56	38.84	15.09	180.49	142.86	41.86	11.57	196.29	128.67	28.27	12.93	169.87
Chandigarh	0.00	0.00	0.00	0.00	-	-	-	-	-	-	-	-
Chhattisgarh	62.92	31.31	10.92	105.15	65.93	31.63	8.17	105.73	54.41	24.77	7.27	86.45
Delhi	8.97	5.64	0.26	14.87	23.06	1.43	0.00	24.49	32.96	0.00	0.00	32.96
Goa	18.66	16.28	11.52	46.46	17.06	10.00	5.95	33.01	30.66	13.54	9.33	53.53
Gujarat	90.38	31.85	10.14	132.37	79.98	20.46	6.07	106.51	88.60	24.11	6.93	119.64
Haryana	157.33	56.96	5.78	11.52	160.44	48.71	2.61	211.76	168.87	35.26	2.78	206.91
Himachal Pradesh	34.49	10.20	9.39	54.08	35.61	7.20	7.53	50.34	34.08	8.45	8.79	51.32
Jammu & Kashmir	56.96	24.68	4.56	86.20	65.26	20.74	8.39	94.39	-	-	-	-
Jharkhand	94.04	33.47	9.04	136.55	67.49	45.91	5.86	119.26	30.05	6.31	1.34	37.70
Karnataka	100.83	65.24	27.60	193.67	75.90	33.17	21.27	130.34	88.51	41.41	23.73	153.65
Kerala	50.92	24.85	37.43	113.20	47.51	24.30	35.13	106.94	26.36	13.64	22.48	62.48
Madhya Pradesh	47.16	33.34	3.53	84.03	46.81	30.94	3.07	80.82	51.23	26.85	2.38	80.46
Maharashtra	73.51	46.17	18.23	137.91	62.55	32.72	17.76	113.03	67.08	32.69	17.95	117.72
Manipur	18.05	2.66	1.21	21.92	29.39	4.14	1.55	35.08	33.85	5.61	4.75	44.21
Meghalaya	9.65	3.66	0.74	14.05	9.88	3.38	1.00	14.26	34.41	10.2	2.65	47.26
Mizoram	9.48	2.16	0.62	12.26	14.14	0.78	0.26	15.18	-	-	-	-

Contd.

Statement 2.47: State-wise, Nutrient-wise consumption of Fertilizers

State	2011-12				2012-13				2013-14			
	N	P	K	Total	N	P	K	Total	N	P	K	Total
Nagaland	1.58	1.03	0.42	3.03	2.25	1.41	0.78	4.44	2.62	1.72	0.83	5.17
Odisha	65.15	27.29	1.24	93.68	62.15	24.50	10.06	96.71	36.69	13.8	6.62	57.11
Puducherry	541.11	144.44	113.33	798.88	436.15	108.46	62.69	607.30	491.09	84.62	61.94	637.65
Punjab	179.20	56.76	6.69	242.65	188.78	58.76	3.06	250.60	174.68	41.65	3.08	219.41
Rajasthan	37.28	16.98	1.07	55.33	40.35	14.87	0.90	56.12	35.05	10.62	0.19	45.86
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-
Tamil Nadu	116.22	53.72	44.81	214.75	111.79	43.39	29.02	184.20	86.77	31.13	25.15	143.05
Telangana					-	-	-	-	155.47	45.52	12	212.99
Tripura	28.09	14.80	7.36	50.25	37.17	19.65	12.31	69.13	23.58	17.45	9.62	50.65
Uttar Pradesh	118.84	39.68	6.45	164.97	129.81	45.17	5.14	180.12	107.08	27.54	3.77	138.39
Uttarakhand	109.35	28.54	9.13	147.02	107.91	21.16	6.62	135.69	135.70	21.96	6.47	164.13
West Bengal	88.95	50.91	33.04	172.90	85.14	46.88	29.21	161.23	71.65	27.19	28.02	126.86
Andaman & Nicobar Island	20.56	20.56	9.44	50.56	17.20	12.80	10.00	40.00	11.77	8.96	7.42	28.15
Dadra & Nagar Haveli	27.27	18.64	0.00	45.91	24.17	15.83	0.00	40.00	-	-	-	-
Daman & Diu	20.00	3.33	0.00	23.33	46.67	6.67	3.33	56.67	19.05	4.76	2.38	26.19
Lakshadweep	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00
ALL INDIA AVERAGE	88.61	40.54	13.19	142.34	86.53	34.23	10.61	131.37	81.07	27.27	10.16	118.49

N : Nitrogen P : Phosphorous K : Potash (Potassium)

Source: Agricultural Statistics at Glance, Ministry of Agriculture & Farmers Welfare, Department of Agriculture & Cooperation (Integrated Nutrient Management Division)

Contd.

Statement 2.47: State-wise, Nutrient-wise consumption of Fertilizers

(Kg/Hectare)

State	2014-15				2015-16			
	N	P	K	Total	N	P	K	Total
Andhra Pradesh	146.88	60.52	29.83	237.23	135.96	65.09	24.65	225.70
Arunachal Pradesh	0.00	0.00	0.00	0.00	1.62	0.11	0.33	2.06
Assam	68.09	21.91	35.08	125.08	31.24	6.19	7.36	44.79
Bihar	132.70	31.20	14.75	178.65	162.19	44.24	13.78	220.21
Chandigarh	-	-	-	-	-	-	-	-
Chhattisgarh	56.75	26.69	8.63	92.07	61.36	29.79	8.97	100.12
Delhi	82.25	0.00	0.00	82.25	53.06	4.44	0.00	57.50
Goa	26.12	11.82	8.91	46.85	24.04	14.71	10.34	49.09
Gujarat	96.00	27.76	9.03	132.79	90.45	25.74	8.33	124.52
Haryana	172.18	43.10	6.15	221.43	169.65	47.54	3.22	220.41
Himachal Pradesh	35.63	8.65	9.67	53.95	37.14	9.96	10.00	57.10
Jammu & Kashmir	-	-	-	-	42.90	14.65	6.25	63.80
Jharkhand	30.75	6.56	1.09	38.40	39.59	13.22	1.74	54.55
Karnataka	96.31	47.89	31.95	176.15	96.50	52.24	26.22	174.96
Kerala	20.23	8.35	11.97	40.55	21.25	7.87	14.65	43.77
Madhya Pradesh	48.68	26.35	3.14	78.17	52.45	27.66	3.49	83.60
Maharashtra	68.76	33.95	22.88	125.59	65.20	37.83	19.42	122.45
Manipur	45.10	8.80	7.94	61.84	28.94	7.79	4.89	41.62
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mizoram	-	-	-	-	12.62	2.27	3.29	18.18
Nagaland	3.24	1.93	1.17	6.34	2.82	1.93	1.21	5.96
Odisha	36.14	14.53	6.82	57.49	39.43	16.11	7.09	62.63
Puducherry	196.11	42.57	46.01	284.69	190.05	37.71	34.44	262.20
Punjab	179.03	43.46	4.97	227.46	185.10	53.55	9.94	248.58
Rajasthan	39.97	13.91	0.64	54.52	42.99	17.83	0.74	61.56
Sikkim	-	-	-	-	-	-	-	-
Tamil Nadu	96.98	36.01	30.68	163.67	104.52	40.81	29.86	175.19
Telangana	162.52	52.71	16.20	231.43	179.23	66.97	22.71	268.91
Tripura	18.45	14.25	8.45	41.15	18.47	12.60	11.93	43.00
Uttar Pradesh	111.64	32.27	6.60	150.51	107.73	40.37	7.43	155.53
Uttarakhand	128.96	24.11	6.88	159.95	143.76	19.75	5.67	169.18
West Bengal	77.86	40.21	32.84	150.91	90.23	48.55	35.07	173.85
Andaman & Nicobar Island	12.50	9.95	6.63	29.08	0.00	0.00	0.00	0.00
Dadra & Nagar Haveli	40.25	27.67	0.00	67.92	36.31	19.75	0.00	56.06
Daman & Diu	0.00	0.00	0.00	0.00	35.99	5.14	0.00	41.13
Lakshadweep	0.00	0.00	0.00	0.00	-	-	-	-
ALL INDIA AVERAGE	84.44	30.39	12.62	127.45	84.84	34.08	11.73	130.66

N : Nitrogen P : Phosphorous K : Potash (Potassium)

Source: Agricultural Statistics at Glance, Ministry of Agriculture & Farmers Welfare, Department of Agriculture & Cooperation (Integrated Nutrient Management Division)

Statement 2.48 : State-wise production of organic manures

Year 2015-16

Sl. No	State	Rural Com-post	Farm-yard Manure	City Com-post	organic manure	Ver-mi-com-post	Other manures	Total Manure lakh MT	Area Cover (Lakh Ha.)	Green Manuring
1	Andhra Pradesh	62.00	0.35	22.10		1.52		85.97	8.39	29.10
2	Arunachal Pradesh	0.70	0.21		0.01	0.62	0.06	1.60	0.10	0.08
3	Assam		841.00			93.10	1.56	935.66	123.00	3.20
4	Bihar	10.32	8.50	0.32	5.01	9.12		33.27	1.80	411500.00
5	Chandigarh	8.30	6.95							
6	Chhattisgarh	11.05	42.51	11.23		3.02	53.09	97.88	18.68	490462.00
7	Delhi						1.10	1.10	0.98	
8	Goa	0.04		0.50	0.04	0.03	0.21	0.82	0.10	3.20
9	Gujarat		375.00			0.78	4.90	380.68	62.00	3.50
10	Haryana	10.20	8.60		2.18	0.20	0.01	2.39	0.01	
11	Himachal Pradesh				15.00	25.10	14.00	29.00	2.92	0.58
12	Jammu & Kashmir	1.90		0.23				2.13	1.11	1501.00
12	Jharkhand					396.00		700.00	72.10	
13	Karnataka	5.90	6.30	6.55	2.72	19.14	0.16	28.57	1.22	
14	Kerala	0.72		0.68		3.25	0.01	4.66	0.45	33000.00
15	Madhya Pradesh	26.38	15.17	1.03	0.91	10.10	1.26	19.84	0.90	70650.00
16	Maharashtra	10.36	6.58	7.50		2.50	4.00	14.00	1.05	6080.00
17	Manipur		0.72			0.09		0.81	0.08	
18	Meghalaya		1.12			1.06		2.18	0.01	
19	Mizoram		19.00			9.00		28.00	2.10	
20	Nagaland	0.42	1.30			1.21		2.93	0.01	151.00
21	Odisha	10.60		8.42	0.22	6.17		25.40	3.21	
22	Puducherry			3.12			1.43	4.55		
23	Punjab			0.19	0.83	0.34	7.53	8.70	0.45	20100.00
24	Rajasthan	21.92	12.20		0.01		0.01	34.14		
25	Sikkim	0.34				0.05		0.39	0.05	
26	Tamil Nadu	0.05		9.29		5.78	1.30	18.42	2.21	
27	Telengana	3.20								
28	Tripura	2.60				0.91		0.91		
29	Uttar Pradesh	25.30	19.50			0.23		0.23	0.03	249001.00
30	Uttarakhand	10.60	14.60			0.50		25.70	3.31	0.11
31	West Bengal	8.50	29.99	8.30	4.20	1.95	4.99	57.93	22.00	69.00
	Total	231.40	1409.60	79.46	31.13	591.76	95.62	2547.87	328.28	1282553.77

Source: Annual Report 2015-16, National Center of Organic Farming, Department of Agriculture Cooperation & Farmers Welfare
Blank cell : means data not provided by the State Government

Statement 2.49: State-wise Production of Biofertilizers

Sl. No	State	Actual production of biofertilizers							
		2010-11	2011-12	2012-13	2013-14	2014-15		2015-16	
		Carrier+ Liquid based (in MT)	Carrier+ Liquid based (in MT)	Carrier+ Liquid based (in MT)	Carrier+ Liquid based (in MT)	Carrier based (in MT)	Liquid Based (in KL)	Carrier based (in MT)	Liquid Based(in KL)
South Zone									
1	Andaman & Nicobar Island	0	0	0	0	0	0	0	0
2	Andhra Pradesh	999.60	1126.35	1335.74	2714.22	2668.8	274.856	3062.6	317.81
3	Daman & Diu	0.00	0.00		0.00	0	0	0	0
4	Karnataka	6930.00	5760.32	7683.72	9907.33	16462.62	23.06	23042.91	488.14
5	Kerala	3257.00	904.17	1045.64	3520.66	4916.97	10.51	4926.04	56.58
6	Lakshadweep	0.00	0.00		0.00	0	0	0	0
7	Puducherry	783.00	509.45	621.00	516.98	560.95	1.49	283.64	4.09
8	Tamil Nadu	8691.00	3373.81	11575.70	14104.80	15373.29	11.3	23721.21	861.95
West Zone									
9	Chhattisgarh	0.00	276.34	501.63	712.07	1024.68	9.62	954.37	9.38
10	Gujarat	6318.00	2037.35	978.48	6411.43	3667.93	2800.5	3963.42	2873.3
11	Goa	443.40	0.00	370.00	66.26	802.52	0	820.52	0
12	Madhya Pradesh	2455.57	2309.06	1408.08	4824.19	2637.99	119.22	2741.31	131.03
13	Maharashtra	2924.00	8743.69	5897.91	6218.60	14847.39	324.77	7825.14	389.66
14	Rajasthan	819.75	199.78	982.00	1315.00	599.89	0	680	0
15	Dadar & Nagar Haveli	0.00	0.00	0.00	0.00	0	0	0	0
North Zone									
16	Delhi	1205.00	1617.00	0.00	396.00	104.5	0	106.2	0
17	Chandigarh	0.00	0.00		0.00	0	0	0	0
18	Haryana	6.53	914.41	5832.61	1146.48	872.96	46.49	1097.46	58.03
19	Himachal Pradesh	9.00	1.29	0.00	26.15	0.77	33.07	2.71	190.05
20	Jammu & Kashmir	0.00	0.00	0.00	45.26	0	0	0	0
21	Punjab	2.50	692.22	2311.33	2124.85	6305.45	74.28	2197.19	149.58
22	Uttar Pradesh	1217.45	8695.08	1310.02	2682.22	4099.07	98.04	3053.12	223.34
23	Uttarakhand	45.00	263.01	2758.21	5493.85	2129.95	208.03	3549.39	428.22
Bihar									
24	Bihar	136.26	75.00	52.4	52.40	64.9	0	97	0
25	Jharkhand	0.00	8.38	35.30	14.20	9.08	0	9.17	0
26	Odisha	357.66	590.12	407.10	1097.61	1074.46	4.7	467.63	13.7
27	West Bengal	393.39	603.20	1110.00	1682.70	2061.83	14.63	2826.27	23.54
North East Zone									
28	Arunachal Pradesh	0.00	0.00	0	59	59	0	118	0
29	Assam	130.00	68.33	89.00	149.00	88	0	1315	22.5
30	Manipur	0.00	0.00	0.00	0.00	0	0	0	0
31	Meghalaya	0.00	0.00	0.00	0.00	0	0	0	0
32	Mizoram	2.00	0.00	0.00	4.00	3.6	0	4.2	0
33	Nagaland	21.50	13.00	7.45	7.45	7.45	0	8.81	0
34	Sikkim	0.00	0.00	9.50	10.10	12.4	0	12.91	0
35	Tripura	850.00	1542.85	514.00	225.00	240	0	1143.07	0
	Total	37997.61	40324.21	46836.82	65527.81	80696.45	4054.57	88029.30	6240.93

Source: Annual Report 2015-16, National Center of Organic Farming, Department of Agriculture Cooperation & Farmers Welfare

Statement 2.50 : Production of biofertilizers
(a): State-wise Type-wise production of Biofertilisers (Carrier Base)
 (during 2015-16)

(in Metric Tonnes)

Sl. No	State	Name of Biofertiliser										Grand Total
		AZB	AZS	RZB	PSB	KMB	ZSB	VAM	ACT	NPK consortium	Other Inoculants*	
1	Andhra Pradesh	449.93	441.45	267.52	1184.56	209.58	13.70	403.54	76.50	14.63	1.20	3062.60
2	Arunachal Pradesh	18.00	19.00	22.00						59.00		118.00
3	Assam	472	189	180.00	474.00							1315.00
4	Bihar	28.00	21.00	18.00	30.00							97.00
5	Chhattisgarh	54.22	0.37	127.02	500.80			271.96				954.37
6	Delhi										106.20	106.20
7	Goa							820.52				820.52
8	Gujarat	338.30	280.36	267.73	927.81	370.87	26.05	1641.62	110.68			3963.42
9	Haryana	323.35	14.00	83.37	112.38	48.78	6.40	267.60	241.00	0.58		1097.46
10	Himachal Pradesh	0.20	0.90	0.27	0.44	0.90						2.71
11	Jammu & Kashmir											
12	Jharkhand	2.36		4.11	2.70							9.17
13	Karnataka	3252.45	2710.47	2023.98	10079.87	3195.69	669.09	941.46	25.00			23042.91
14	Kerala	251.71	589.11	372.63	715.55	266.90	26.70	812.30		670.34	1220.80	4926.05
15	Madhya Pradesh	392.27	0.54	351.47	1229.66	339.39	67.85	230.14	30.00	50.00	50.00	2741.31
16	Maharashtra	1611.29	555.79	1122.42	3101.16	595.82	184.47	344.92	169.27	122.68	17.33	7825.14
17	Manipur											
18	Meghalaya											
19	Mizoram	1.40	1.40		1.40							4.20
20	Nagaland	2.80	1.09	1.01	3.90							8.80
21	Odisha	185.88	9.02	22.03	250.70							467.63
22	Punjab	395.67	73.92		472.65	292.77	460.23	420.56		81.41		2197.20
23	Puducherry	35.00	140.70	0.44	50.50	33.00	24.00					283.64
24	Rajasthan	115.00		90.00	291.00					84.00	100.00	680.00
25	Sikkim	3.51		3.60	5.80							12.91
26	Tamil Nadu	2701.12	5148.78	1887.74	5270.09	94.59	0.15	1313.18	305.56		7000.00	23721.21
27	Telangana											
28	Tripura	380.69	381.19		381.19							1143.07
29	Uttarakhand	75.33	23.00	23.00	91.03	382.00	382.00	417.00		1150.03	1006.00	3549.39
30	Uttar Pradesh	617.27	16.03	236.35	1076.20	10.00		10.00	69.00	523.00	495.27	3053.12
31	West Bengal	1005.20	417.70	416.24	663.38	43.75					280.00	2826.27
Total		12712.94	11034.83	7520.93	26916.78	5884.03	1860.63	7894.80	1027.01	2755.66	10421.70	88029.29

Source: Annual Report 2015-16, National Center of Organic Farming, Department of Agriculture Cooperation & Farmers Welfare

* : Others include compost enrichers (Trichoderma, Pacellomyces etc.) PGPRs, BGA Azolla

Note: AZB : Azotobacter RZB : Rhizobium AZS : Azospirillum PSB : Phosphate Solubilizing Biofertilizers KMB : Potassium Mobilizing Bacteria

ZSB : Zinc Solubilizing Biofertilizers VAM : Vesicular - Arbuscular Mycorrhiza

Statement 2.50 : Production of biofertilizers
(b): State-wise Type-wise production of Biofertilisers (Liquid Base)

Sl. No	State	Name of Biofertiliser (Liquid Base)										(during 2015-16)		(in KL)
		AZB	AZS	RZB	PSB	KMB	ZSB	VAM	ACT	NPK consortium	Other Inoculants*	Grand Total		
1	Andhra Pradesh	76.91	0.53	9.90	191.53	30.12	2.50	1.60	1.50	3.22			317.81	
2	Arunachal Pradesh													
3	Assam	2			2.00						18.50		22.50	
4	Bihar													
5	Chhattisgarh	2.50	1.38	0.09	3.23	1.28	0.90						9.38	
6	Delhi													
7	Goa													
8	Gujarat	425.17	270.96	157.39	740.43	313.49	20.81		81.23	654.84	209.00		2873.32	
9	Haryana	5.91		5.96	10.10	2.39	0.15		0.01	33.51			58.03	
10	Himachal Pradesh	20.00		5.00	22.50	20.00	20.00	3.00		50.00	50.00		190.50	
11	Jammu & Kashmir													
12	Jharkhand													
13	Karnataka	52.21	45.99	54.47	157.37	88.42	72.10	0.00		16.42	1.15		488.13	
14	Kerala	12.73	7.95	18.27	14.57	3.05							56.57	
15	Madhya Pradesh	1.22	13.92	5.03	16.99	91.64	0.83	0.30	0.10	1.00			131.03	
16	Maharashtra	64.04	36.77	56.22	85.37	62.83		15.88	15.70	9.84	43.02		389.67	
17	Manipur													
18	Meghalaya													
19	Mizoram													
20	Nagaland													
21	Odisha	4.36	2.64	2.65	3.46	0.30	0.30						13.71	
22	Punjab	42.21	17.93	10.29	30.34	13.90		0.54		34.37			149.58	
23	Puducherry	0.96	0.27	0.33	0.34	0.37				1.11	0.71		4.09	
24	Rajasthan													
25	Sikkim													
26	Tamil Nadu	1.67	89.81	40.85	706.82	5.41	0.10	4.19	5.81	5.44	1.86		861.96	
27	Telengana													
28	Tripura													
29	Uttarakhand	86.88	14.95	25.64	32.59	14.00	15.00	27.00		212.16			428.22	
30	Uttar Pradesh	29.13	2.89		81.26	12.01	0.01			97.00	1.04		223.34	
31	West Bengal	4.47	0.97	7.39	8.79	0.50	0.52			0.90			23.54	
Total		832.37	506.96	399.48	2107.69	659.71	133.22	52.51	104.35	1119.81	325.28		6241.38	

Source: Annual Report 2015-16, National Center of Organic Farming, Department of Agriculture Cooperation & Farmers Welfare

* : Others include compost enrichers (Trichoderma, Paecilomyces etc.) PGPRs, BGA Azolla

Note: Arunachal Pradesh figures are not included in the grand total.

AZB : Azotobacter RZB : Rhizobium

VAM : Vesicular - Arbuscular Mycorrhiza

AZS : Azospirillum

PSB : Phosphate Solubilizing Biofertilizers

KMB : Potassium Mobilizing Bacteria

ZSB : Zinc Solubilizing Biofertilizers

Statement 2.51: Capacity and production of pesticides
(Fungicides, Herbicides, Weedicides, Rodenticides, Fumigants)

(in '000MT)

Sl. No.	Products	1999-2000		2000-2001		2008-09		2009-10		2013-14		2014-15		2015-16	
		In-stalled Capacity	Pro-duction	In-stalled Capacity	Pro-duction	Capacity	Pro-duction	Capacity	Pro-duction	Capacity	Pro-duction	Capacity	Pro-duction	Capacity	Pro-duction
I	Fungicides	14.20	12.30	14.40	12.10	24.50	35.60	24.50	31.24	79.17	61.13	78.92	65.92	79.42	70.26
1	Captan & Captafol	1.80	1.10	1.80	1.40	1.80	0	1.80	0.00	4.73	1.12	3.85	2.38	3.45	2.12
2	Ziram (Thio Barbamate)	0.20	*	0.40	0.10	0.50	0.07	0.50	0.00	0.65	0.60	0.70	0.58	0.70	0.51
3	Carbendazim (Bavistin)	1.20	0.90	1.20	0.70	1.50	0.19	1.50	0.19	0.98	0.31	0.98	0.36	0.98	0.24
4	Mancozeb	11.00	10.30	11.00	9.90	20.70	35	20.70	31.05	71.56	57.82	71.56	61.40	72.46	66.38
5	Hexaconazole									0.50	0.58	1.08	0.59	1.08	0.62
6	Metconazole									0.75	0.70	0.75	0.61	0.75	0.39
II	Herbicides	3.80	2.00	3.80	1.50	1.70	0.33	1.70	0.33	29.80	24.91	30.30	16.87	31.66	24.91
1	2, 4-D	2.90	1.30	2.9	1.3	1.20	0	1.20	0.21	22.00	17.90	22.00	11.62	22.00	18.46
2	Butachlor	0.90	0.70	0.9	0.2	0.50	0	0.50	0.12	0.50	0.04	0.50	0.00	0.50	0.00
3	Ethofumesate Technical									1.25	1.01	1.65	0.62	1.56	0.50
4	Thiamethoxam Technical									3.00	3.31	3.10	1.66	3.10	1.92
5	Pendimethalin									2.00	1.71	2	2.26	3	2.82
6	Metribuzin									0.75	0.74	0.75	0.52	1.2	0.91
7	Triclopyr Acid Tech									0.30	0.20	0.30	0.19	0.30	0.30
III	Weedicides	10.44	6.40	10.38	4.62	8.60	5.58	8.60	5.57	16.06	12.14	16.34	13.44	19.31	11.38
1	Isoproturon	8.50	4.60	8.50	3.80	5.40	3	5.40	2.98	6.25	2.35	6.25	2.43	6.25	1.95
2	Glyphosate	1.80	1.70	1.80	0.70	2.60	2	2.60	2.33	9.26	8.48	9.26	9.69	9.26	6.96
3	Diuron	0.04	0.00	0.04	0.02	0.10	0.01	0.10	0.26	0.05	0.07	0.33	0.12	3.30	1.26
4	Atrazine	0.10	0.10	0.04	0.10	0.50	0.26	0.50	0.00	0.50	1.24	0.50	1.20	0.50	1.21
IV	Rodenticides	3.20	2.30	3.20	3.10	3.16	1722.33	3.16	2.49	5.22	5.12	5.22	6.34	5.22	7.25
1	Zinc Phosphide	0.90	0.50	0.90	0.60	0.9	0	0.9	0.33	1.32	0.65	1.32	1.29	1.32	1.50
2	Aluminium Phosphide	2.30	1.80	2.30	2.50	2.3	1722	2.3	2.16	3.9	4.47	3.9	5.05	3.90	5.75
V	Fumigants	0.20	0.10	0.20	0.10	0.02	88.00	0.02	2.00	0.15	0.07	0.09	0.11	0.15	0.09
1	Dicofol	0.20	0.10	0.20	0.10	0.02	88.00	0.02	2.00	0.15	0.07	0.09	0.11	0.15	0.09

Source : Chemical and Petrochemical Statistics at a Glance-2016, Department of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers

Statement 2.52 : Capacity and production of insecticides

(in '000MT)

Sl. No.	Product	2013-14		2014-15		2015-16	
		Installed capacity	Production	Installed capacity	Production	Installed capacity	Production
1	D.D.T	6.34	2.79	6.34	3.63	6.34	2.09
2	Malathion	3.80	2.04	2.60	2.24	3.80	2.04
3	Dimethoate	1.45	1.36	1.45	1.43	1.45	1.44
4	D.D.V.P.	32.48	5.52	35.72	6.66	35.72	7.22
5	Quinalphos	2.80	1.74	2.80	1.88	2.80	0.84
6	Monocrotophos	12.24	4.27	13.18	6.97	13.94	5.48
7	Phosphamidon	2.00	0.05	2.00	0.13	2.00	0.13
8	Phorate	10.13	6.85	10.13	6.62	10.13	5.92
9	Ethion	2.50	1.51	2.50	1.60	2.20	1.72
10	Endosulphan	0.00	0.00	0.00	0.00	0.00	0.00
11	Fenvalerate	2.10	0.75	2.10	0.51	2.10	0.56
12	Cypermethrin	15.69	9.26	15.69	8.59	13.92	8.53
13	Acephate	19.25	14.51	19.25	17.97	19.67	16.58
14	Chlorpyrifos	14.30	9.54	16.46	9.73	16.85	6.87
15	Triazophos	3.90	0.99	3.90	1.00	3.90	1.72
16	Temephos	0.25	0.25	0.25	0.00	0.25	0.08
17	Deltamethrin	0.63	0.52	0.63	0.51	0.59	0.38
18	Alphamethrin	0.35	0.56	0.51	0.75	0.50	0.23
19	Profenofos Technical	14.60	7.18	14.90	7.58	12.90	6.85
20	Pretilachlor Technical	2.84	2.22	2.56	1.88	2.58	1.94
21	Lambda Cyhalothrin	0.60	0.55	0.60	0.47	0.60	0.42
22	Phenthoate	0.90	1.24	0.90	1.40	0.90	1.11
23	Permethrin Tech	1.80	1.39	1.80	1.70	1.97	1.30
24	Imidacloprid Tech	0.83	0.94	0.98	0.56	1.13	0.20

Source : Chemical and Petrochemical Statistics at a Glance-2016, Department of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers

Statement 2.53: Livestock population

S. No.	Species	All India census estimates (in Million Numbers)																	
		1951	1956	1961	1966	1972	1977	1982	1987	1992	1997	2003	2007	2012					
1	Cattle	155.30	158.70	175.60	176.20	178.30	180.00	192.45	199.69	204.58	198.88	185.18	199.08	190.90					
2	Adult female cattle*	54.40	47.30	51.00	51.80	53.40	54.60	59.21	62.07	64.36	64.43	64.51	72.92	76.69					
3	Buffaloes	43.40	44.90	51.20	53.00	57.40	62.00	69.78	75.97	84.21	89.92	97.92	105.34	108.70					
4	Adult female buffaloes**	21.00	21.70	24.30	25.40	28.60	31.30	32.50	39.13	43.81	46.77	50.97	54.47	56.59					
5	Total cattle & buffaloes	198.70	203.60	226.80	229.20	235.70	242.00	262.36	275.82	289.00	288.80	283.10	304.42	299.98					
6	Sheep	39.10	39.30	40.20	42.40	40.00	41.00	48.76	45.70	50.78	57.49	61.47	71.56	65.07					
7	Goats	47.20	55.40	60.90	64.60	67.50	75.60	95.25	110.21	115.28	122.72	124.36	140.54	135.17					
8	Horses & ponies	4.50	1.50	1.30	1.10	0.90	0.90	0.90	0.80	0.82	0.83	0.75	0.61	0.63					
9	Camels	0.60	0.80	0.90	1.00	1.10	1.10	1.08	1.00	1.03	0.91	0.63	0.52	0.40					
10	Pigs	4.40	4.90	5.20	5.00	6.90	7.60	10.07	10.63	12.79	13.29	13.52	11.13	10.29					
11	Mules	0.06	0.04	0.05	0.08	0.08	0.09	0.13	0.17	0.19	0.22	0.18	0.14	0.20					
12	Donkeys	1.30	1.10	1.10	1.10	1.00	1.00	1.02	0.96	0.97	0.88	0.65	0.44	0.32					
13	Yaks	NC	NC	0.02	0.03	0.04	0.13	0.13	0.04	0.06	0.06	0.06	0.08	0.08					
	Total Livestock	292.80	306.60	335.40	344.10	353.60	369.00	419.59	445.29	470.86	485.39	485.00	529.70	512.06					
15	Poultry	73.50	94.80	114.20	115.40	138.50	159.20	207.74	275.32	307.07	347.61	489.01	648.83	729.21					
16	Dogs	NC	NC	NC	NC	NC	NC	18.54	17.92	21.77	25.48	29.03	19.09	11.67					
17	Rabbits	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	0.48	0.42	0.59					

Source: Livestock Census, Directorate of Economics & Statistics and Animal Husbandary Statistics Division, Department of Animal Husbandary, Dairying & Fisheries, Ministry of Agriculture and Farmers' Welfare

* : Includes number of Exotic/Crossbred and Indigenous Cattle over the age 2.5 years for crossbred other 3 years

** : Includes Buffaloes over 3 years of age

NC : Not Collected

Statement 2.54 (a): Number of animals slaughtered and Meat Production in the year 2016-17

S. No.	States/ UTs	Animal Slaughtered (In 000 nos.)							Meat Production (In 000 tons)						
		Cattle	Buffalo	Sheep	Goat	Pig	Poultry		Cattle	Buffalo	Sheep	Goat	Pig	Poultry	
1	Andhra Pradesh	-	919.64	13023.80	3730.44	57.67	223899.31		-	87.12	177.94	47.57	2.08	317.80	
2	Arunachal Pradesh	89.57	11.85	32.62	214.77	92.16	475.34		10.15	1.66	0.38	2.40	5.33	0.57	
3	Assam	52.22	1.58	236.10	2061.24	570.84	7221.28		3.20	0.11	1.53	14.60	18.72	8.69	
4	Bihar	545.00	1006.82	230.14	8600.34	3282.52	69338.11		32.02	74.29	1.87	85.38	79.38	53.32	
5	Chhattisgarh	-	-	116.14	855.13	73.77	29327.72		-	-	1.49	10.86	2.10	34.71	
6	Delhi	-	-	-	-	-	-		-	-	-	-	-	-	
7	Goa	1.13	-	-	257.14	50.16	2253.43		0.09	-	0.00	3.33	0.85	2.93	
8	Gujarat	-	14.44	46.12	90.31	3.83	29184.85		-	1.33	0.50	1.01	0.09	30.41	
9	Haryana	-	-	370.70	354.57	150.93	318541.78		-	-	6.63	6.24	6.86	407.75	
10	Himachal Pradesh	-	-	51.85	114.89	2.21	867.58		-	-	0.99	2.25	0.11	1.05	
11	Jammu & Kashmir	-	51.29	1353.85	1016.62	-	37081.05		-	6.06	19.59	14.74	-	44.71	
12	Jharkhand	-	32.90	153.90	2049.55	478.59	13250.40		-	2.99	1.36	18.71	19.00	12.67	
13	Karnataka	387.42	85.16	1450.58	1902.65	370.97	54707.90		41.34	9.52	22.59	28.65	19.85	87.12	
14	Kerala	1300.52	1159.11	0.00	1631.73	93.19	125835.30		146.05	106.07	-	21.17	6.80	188.76	
15	Madhya Pradesh	-	229.15	61.48	1603.55	51.82	31199.63		-	25.78	0.81	23.96	1.67	26.41	
16	Maharashtra	-	900.62	1202.05	8698.96	1070.01	211717.77		-	165.43	14.97	102.50	44.66	517.45	
17	Manipur	98.63	43.70	11.17	30.39	161.91	3459.16		8.65	4.52	0.11	0.28	6.85	7.06	
18	Meghalaya	251.80	4.73	-	132.81	319.21	1981.40		22.63	0.56	-	1.37	13.84	2.61	
19	Mizoram	39.60	1.46	-	15.62	85.80	1026.77		5.07	0.20	-	0.13	7.37	2.03	
20	Nagaland	68.80	27.54	-	42.56	213.22	972.93		8.50	4.41	-	0.67	17.01	0.78	
21	Odisha	-	-	1348.38	5656.39	254.34	137116.78		-	-	15.52	69.48	9.14	82.37	

Contd.

Statement 2.54 (a): Number of animals slaughtered and Meat Production in the year 2016-17

S. No.	States/ UTs	Animal Slaughtered (In 000 nos.)							Meat Production (In 000 tons)						
		Cattle	Buffalo	Sheep	Goat	Pig	Poultry		Cattle	Buffalo	Sheep	Goat	Pig	Poultry	
22	Punjab	-	890.70	204.73	511.80	17.12	119831.50		-	124.49	3.12	8.00	0.96	112.07	
23	Puducherry	15.07	0.85	87.33	584.33	0.35	5166.68		1.26	0.09	0.89	4.94	0.01	7.43	
24	Rajasthan	-	472.51	4700.65	5914.27	381.88	7659.08		-	24.83	57.32	73.98	15.57	8.40	
25	Sikkim	9.08	1.22	-	4308.61	5.73	775.25		1.55	0.29	-	0.18	1.01	1.36	
26	Tamil Nadu	351.11	18.60	3778.37	5083.25	56.34	276328.60		43.16	2.57	45.23	52.24	2.11	427.53	
27	Telangana	-	948.34	11100.45	4823.65	119.98	224584.20		-	96.03	145.53	58.30	3.17	288.00	
28	Tripura	-	-	-	400.72	229.72	18155.49		-	-	-	1.77	12.43	25.48	
29	Uttar Pradesh	-	5171.85	1558.38	8402.68	3040.43	299607.53		-	694.64	17.32	143.60	137.06	353.49	
30	Uttarakhand	-	32.51	144.40	665.29	67.68	7749.10		-	4.01	2.22	10.15	3.16	8.86	
31	West Bengal	107.49	102.62	1956.08	26732.88	978.23	118577.81		13.97	13.94	17.94	232.09	30.78	397.16	
32	Andaman & Nicobar Island	0.36	0.22	-	8.51	8.62	2582.55		0.08	0.05	-	0.12	0.48	4.32	
33	Chandigarh	-	-	20.72	40.25	7.39	-		-	-	0.21	0.40	0.33	-	
34	Dadra & Nagar Haveli	-	-	-	-	-	-		-	-	-	-	-	-	
35	Daman & Diu	1.62	-	28.13	-	-	-		0.17	-	0.39	-	-	-	
36	Lakshadweep	0.72	-	-	11.15	-	214.85		0.04	-	-	0.06	-	0.32	
Total		3320.15	12129.38	43268.10	96547.01	12296.60	2380691.14		337.91	1450.98	556.44	1041.11	468.80	3463.65	

"-" not received/not available

Note: estimated number of animals from rural and urban area are taken together

Source: Department of Animal Husbandary Dairying & Fisheries, Ministry of Agriculture & Farmers Welfare, State/UT Animal Husbandary Departments

Statement 2.54 (b): Number of animals slaughtered and Meat Production in the year 2015-16

S. No.	States/ UTs	Animal Slaughtered (In 000 nos.)							Meat Production (In 000 tons)						
		Cattle	Buffalo	Sheep	Goat	Pig	Poultry		Cattle	Buffalo	Sheep	Goat	Pig	Poultry	
1	Andhra Pradesh	-	954.42	10982.82	3550.73	71.96	229383.09		-	79.83	139.26	43.16	2.57	301.47	
2	Arunachal Pradesh	81.59	13.51	46.53	194.33	82.77	352.29		9.48	1.84	0.53	2.23	4.87	0.42	
3	Assam	51.09	1.42	209.26	2074.99	547.44	6634.75		3.16	0.10	1.47	14.54	17.49	8.00	
4	Bihar	609.73	960.98	216.41	8302.42	3108.85	65446.43		34.54	68.31	1.65	77.74	72.48	47.02	
5	Chhattisgarh	-	-	94.18	721.21	57.96	26069.17		-	-	1.20	9.14	1.65	29.39	
6	Delhi	-	258.59	-	1279.82	-	18604.68		-	41.36	-	11.08	-	17.37	
7	Goa	0.46	-	-	261.30	53.50	2712.63		0.04	-	-	3.40	0.91	3.53	
8	Gujarat	-	12.89	51.60	103.70	10.34	29498.39		-	1.19	0.56	1.16	0.23	30.80	
9	Haryana	-	-	385.34	361.99	157.49	300497.28		-	-	6.87	6.35	7.13	382.45	
10	Himachal Pradesh	-	-	48.29	117.22	2.80	471.47		-	-	0.93	2.37	0.12	0.58	
11	Jammu & Kashmir	-	55.67	1194.54	845.25	-	33957.32		-	6.05	17.19	12.10	-	39.74	
12	Jharkhand	-	34.85	145.72	1948.06	448.87	10862.85		-	3.19	1.32	17.87	17.62	10.71	
13	Karnataka	290.44	140.82	1786.52	1258.74	462.86	57901.54		27.93	14.94	28.55	19.51	22.13	83.54	
14	Kerala	1239.93	938.63	-	1350.91	193.11	134093.43		146.73	110.16	-	19.72	14.41	175.02	
15	Madhya Pradesh	-	208.55	55.91	1437.82	46.56	26953.41		-	23.54	0.73	21.28	1.50	22.78	
16	Maharashtra	13.95	763.40	913.31	4773.89	435.99	272493.01		1.82	139.86	11.32	54.98	17.02	450.11	
17	Manipur	97.00	41.19	10.51	28.67	157.75	3246.59		8.54	4.23	0.10	0.25	6.61	6.55	
18	Meghalaya	263.30	5.19	-	128.46	262.75	3164.07		23.63	0.61	-	1.33	11.39	4.17	
19	Mizoram	31.40	0.86	-	10.89	86.24	965.45		4.01	0.12	-	0.09	7.50	1.84	
20	Nagaland	111.54	30.16	-	49.42	215.81	1133.97		11.51	5.58	-	0.76	17.14	0.94	

Contd.

Statement 2.54 (b): Number of animals slaughtered and Meat Production in the year 2015-16

S. No.	States/ UTs	Animal Slaughtered (In 000 nos.)							Meat Production (In 000 tons)						
		Cattle	Buffalo	Sheep	Goat	Pig	Poultry		Cattle	Buffalo	Sheep	Goat	Pig	Poultry	
21	Odisha	-	-	1411.27	5636.76	246.00	47741.27		-	-	16.18	65.01	8.74	74.83	
22	Punjab	-	939.20	186.74	462.74	15.23	111559.40		-	130.96	2.84	7.18	0.86	108.08	
23	Puducherry	18.49	0.93	76.07	607.87	0.08	5109.85		1.55	0.10	0.83	4.78	-	7.35	
24	Rajasthan	-	446.23	3505.79	6175.44	248.87	22084.25		-	22.48	46.03	75.63	12.87	22.92	
25	Sikkim	6.54	6.31	-	5.85	4.75	1563.20		0.84	0.71	-	0.08	0.27	3.95	
26	Tamil Nadu	356.24	8.02	2977.98	4822.75	68.78	271666.70		43.70	0.99	36.48	48.26	2.88	412.15	
27	Telangana	-	877.03	10255.53	4382.45	112.22	205567.65		-	87.68	135.36	53.98	2.98	262.06	
28	Tripura	-	-	-	374.04	208.06	17371.48		-	-	-	1.65	11.23	24.48	
29	Uttar Pradesh	-	6306.40	1559.53	7979.35	2786.17	287634.74		-	846.19	15.77	130.78	90.91	334.23	
30	Uttarakhand	-	32.81	140.71	639.62	67.68	7720.49		-	4.05	2.16	9.67	3.13	8.58	
31	West Bengal	88.40	122.37	1913.97	26233.26	952.34	189445.86		11.56	16.88	17.59	226.24	30.26	383.80	
32	Andaman & Nicobar Island	0.42	0.25	-	7.11	6.66	2583.48		0.09	0.06	-	0.10	0.37	4.28	
33	Chandigarh	-	-	22.35	41.98	6.56	-		-	-	0.24	0.45	0.30	-	
34	Dadra & Nagar Haveli	-	-	-	-	-	-		-	-	-	-	-	-	
35	Daman & Diu	1.54	-	26.79	-	-	-		0.16	-	0.36	-	-	-	
36	Lakshadweep	0.70	-	-	12.99	-	212.31		0.04	-	-	0.06	-	0.68	
	Total	3262.74	13160.68	38217.67	86182.01	11126.47	2394702.51		329.34	1611.01	485.52	942.91	387.55	3263.81	

" - " not received/not available

Note: estimated number of animals from rural and urban area are taken together

Source: Basic Animal Husbandry Statistics 2017, Department of Animal Husbandry Dairying & Fisheries, Ministry of Agriculture & Farmers Welfare, State/UT Animal Husbandry Departments

Statement 2.55 : Species-wise incidence of livestock diseases in India

Sl. No	Disease	Species	January 2017 to October, 2017		
			Outbreak	Attack	Death
1	Foot & Mouth Disease	Bovine	106	20604	152
		Buffalo	8	322	33
		Ovine/ Caprine	2	107	0
		Swine	8	377	200
		Total	124	21410	385
2	Haemorrhagic Septicaemia	Bovine	43	875	122
		Buffalo	8	35	15
		Ovine/ Caprine	13	462	103
		Total	64	1372	240
3	Black Quarter	Bovine	55	680	62
		Buffalo	2	4	4
		Ovine/ Caprine	1	2	0
		TOTAL	58	686	66
4	Anthrax	Bovine	19	102	102
		Buffalo	12	121	121
		Ovine/ Caprine	1	2	2
		Total	32	225	225
5	Fascioliasis	Bovine	82	2782	0
		Buffalo	36	316	0
		Ovine/ Caprine	27	1092	0
		Total	145	4190	0
6	Enterohaemia	Ovine/ Caprine	30	676	263
7	Sheep and Goat Pox	Ovine/ Caprine	34	3330	943
8	Blue Tongue	Ovine/ Caprine	5	354	44
9	CCPP	Ovine/ Caprine	1	7	2
10	Amphistomiasis	Bovine	39	4323	0
		Buffalo	8	62	0
		Ovine/ Caprine	24	2862	0
		Total	71	7247	0
11	Swine Fever	Swine	30	1055	377
12	Salmonellosis	Avian	52	228025	7148
13	Coccidiosis	Bovine	104	25272	5
		Buffalo	40	764	1
		Ovine/ Caprine	77	6342	0
		Avian	70	137083	4637
		Total	291	169461	4643
14	Ranikhet Disease	Avian	97	332293	2939
15	Fowl Pox	Avian	66	21594	784
16	Fowl Cholera	Avian	17	5418	658
17	Marek's Disease	Avian	1	2	0
18	Infectious Bursal Disease (I.B.D)	Avian	77	440522	5858

Contd.

Statement 2.55 : Species-wise incidence of livestock diseases in India

Sl. No	Disease	Species	January 2017 to October, 2017		
			Outbreak	Attack	Death
19	Duck Plague	Avian	9	626	56
20	Coryza	Avian	21	74403	1538
21	Chronic Respiratory Disease (CRD)	Avian	321	5719535	9961
22	Canine Distemper	Canine	67	1514	50
23	Rabies	Bovine	61	220	220
		Canine	20	85	85
		Total	81	305	305
24	Babesiosis	Bovine	151	10679	14
		Buffalo	31	263	1
		Ovine/ Caprine	56	744	0
		Canine	1	1	0
		Total	239	11687	15
25	Mastitis	Bovine	126	58490	0
		Buffalo	54	456	0
		Ovine/ Caprine	85	13304	0
		Total	265	72250	0
26	Trypanosomosis	Bovine	46	824	13
		Buffalo	9	38	7
		Total	55	862	20
27	Mange	Bovine	14	93	0
		Ovine/ Caprine	2	14	0
		Canine	3	10	0
		Total	19	117	0
28	Peste des petits Ruminants (PPR)	Ovine/ Caprine	31	1303	459
29	Anaplasmosis	Bovine	77	2329	1
		Buffalo	15	78	0
		Ovine/ Caprine	28	266	0
		Total	120	2673	1
30	Brucellosis	Bovine	5	46	0
		Buffalo	1	3	0
		Ovine/ Caprine	1	30	4
		Total	7	79	4
31	Glanders	Equine	87	197	197

Source: Department Animal Husbandry, Dairying and Fisheries, Ministry of Agriculture and Farmers Welfare (as retrieved on 06.03.2018)

Statement 2.56 : Water availability in India

Sl. No	Items	Quantity
1	Annual Precipitation (including snowfall)	4000 BCM
2	Average Annual Availability	1869 BCM
3	(i) Per Capita Water Availability (2001) in cubic metres	1816Cu.M
	(ii) Per Capita Water Availability (2010) in cubic metres	1588Cu.M
4	Estimated Utilizable Water Resources	1123 BCM
	(i) Surface Water Resources	690 BCM
	(ii) Ground Water Resources	433 BCM

BCM: Billion Cubic Meters; CuM: Cubic Meter.

Source: Water Resources at a Glance 2011 Report, Central Water Commission

Statement 2.57: Water resources -Basinwise

Sl.No	Name of the River Basin	Average Annual Availability (cubic km/year)
1	Indus (up to Border)	73.31
2	a) Ganga	525.02
	b) Brahmaputra, Barak & Others	585.6
3	Godavari	110.54
4	Krishna	78.12
5	Cauvery	21.36
6	Pennar	6.32
7	East Flowing Rivers Between Mahanadi & Pennar	22.52
8	East Flowing Rivers Between Pennar and Kanyakumari	16.46
9	Mahanadi	66.88
10	Brahmani & Baitarni	28.48
11	Subernarekha	12.37
12	Sabarmati	3.81
13	Mahi	11.02
14	West Flowing Rivers of Kutch, Sabarmati including Luni	15.1
15	Narmada	45.64
16	Tapi	14.88
17	West Flowing Rivers from Tapi to Tadri	87.41
18	West Flowing Rivers from Tadri to Kanyakumari	113.53
19	Area of Inland drainage in Rajasthan desert	Negligible
20	Minor River Basins Draining into Bangladesh & Burma	31
Total		1869.35

Source: Ministry of Water Resources, RD & GR

Statement 2.58: Water flow in stream

(MCM)

For Year (2013-14)

Sl. No.	Name of Basin/ River	Average#			Minimum#			Maximum#		
		Monsoon	Non-Monsoon	Annual	Monsoon	Non-Monsoon	Annual	Monsoon	Non-Monsoon	Annual
1	Mahanadi	7707	502	8209	227	0	237	46492	5149	51640
2	Suberneka etc.	4478	307	4785	340	0	390	8897	724	9184
3	Brahmani	6925	842	7766	677	64	741	12689	3139	15811
4	Rushikulia etc.	2966	289	2823	657	86	743	4923	404	5100
5	Godavari	17256	1148	21994	0	0	0	143249	11682	149873
6	Krishna	3773	340	4019	2	0	2	12522	3315	15837
7	Cauveri	1547	180	1538	0	0	0	6610	1431	7348
8	East Flowing Rivers	257	67	324	0	0	0	2833	797	3401
9	West Flowing Rivers	2713	179	2892	0	0	0	13006	1327	13171
10	Tapi	7607	65	7672	2313	0	2374	12353	198	12353
11	Narmada	12488	1904	15001	316	3	319	51905	13137	65042
12	Mahi, etc	1089	95	1074	0	0	0	8225	754	8787

Source : Integrated Hydrological Data Book, 2017, CWC
 # Average, minimum and maximum values of respective sites of each Basin/River

Statement 2.59 : State-wise navigable waterways

Year 2015-16

(Km.)

Sl. No.	State/ River/ Canals/ Lakes	Total Length	Navigable Length	Sl. No.	State/ River/ Canals/ Lakes	Total Length	Navigable Length
1	ANDHRA PRADESH			4	GOA		
	Godavari	1530	171		Mandovi	78	66
	Krishna	1400	157		Zuari	68	68
	Others **	649	476		Mapusa	27	27
	Total	3579	804		Chapora	34	32
					Tiracol	29	23
2	ASSAM				Sal	20	15
	Brahmaputra	2800	891		Others	18	18
	Borak	900	121		Total	274	249
	Subansiri	468	111				
	Dhansiri	135	25	5	GUJARAT*		
	Manash	375	104		Narmada	161	50
	Aai	.	64		Tapti	140	15
	Beki	85	55		Ambica	136	20
	Jiabhoroli	90	60		Auranga	75	4
	Puthimari	..	64		Purna	141	13
	Disang	25	25		Total	653	102
	Kopili	50	50				
	Dikhow	92	40	6	KARNATAKA^		
	Katakhal/ Dhaleswari	150	120		Sharavathi	80	27
	Soani	.	48		Tungabhadra	375	375
	Mahura	.	32		Malaprabha	230	230
	Buridihing	120	80		Ghataprabha	160	160
	Chiri	.	42		Krishna	325	125
	Jiri	.	64		Cauvery	270	34
	Total	5290	1996		Kabini	117	30
					Gurupur	80	20
3	BIHAR				Gangolli	48	20
	Ganga	510	510		Bheema	860	125
	Gandak	300	300		Udyavara	37	14
	Koshi	233	160		Netravathi	96	26
	Ghaghra	100	100		Kali	184	29
	Sone	226	31		Total	2862	1215
	Mahananda	140	--				
	Burhi Gandak	400	--	7	KERALA^		
	Punpun	200	--		Manjeswar	16	3.2
	Phalgu Harihar	300	--		Uppala	50	-
	Kiul	100	--		Shiriyi	67	4.8
	Kari Koshi	150	--		Mogral	34	-
	Chandan	100	--		Chandragiri	105	12.8
	Karmnasha	144	--		Chittari	25	-
	Others	860	290		Nileswar	46	11.2
	Total	3763	1391		Kariangoda	64	24
					Kavvai	31	9.6

Contd.

Statement 2.59 : State-wise navigable waterways

Year 2015-16

(Km.)

Sl. No.	State/ River/ Canals/ Lakes	Total Length	Navigable Length	Sl. No.	State/ River/ Canals/ Lakes	Total Length	Navigable Length
	Bansagadal	--	32		Tons	485	
	Hansua	--	37		Total	6444	
	Tirkota	--	18				
	Jamboo	--	6	12	WEST BENGAL		
	Gobari	--	16		Hooghly	580	580
	Ramchandi	--	16		Mahananda	206	58
	Kharansi	--	14		Ajoy	174	174
	Batigharia	--	14		Jalangi	232	232
	Birupa	--	110		Dwarka	129	129
	Genguti	--	45		Bakreswar	102	102
	Luna	--	37		Damodar	437	437
	Devi	--	20		Dwarekeswar	103	103
	Pradhi	--	15		Silabati	135	135
	Kadha	--	30		Kumari	347	347
	Kusavadra	--	25		Ichamati	232	232
	Daya	--	9		Others @	2064	2064
	Rajua	--	7		Total	4741	4593
	Makara	--	11				
	Ohers **	--	367	13	NAGALAND***		
	Total \$	1378	1555		Doyans	185	105
					Tizu/Zungki	287	90
10	TAMIL NADU ^				Dhansiri/Chathe	170	75
	Ananth's Victoria Marthandavarna	27	12		Dikhu	120	52
	North Buckingham Canal	58	.		Tapi-Yangnyn	95	18
	Central Buckingham Canal	7	.		Tsurang/Disai	60	15
	South Buckingham Canal	105	.		Others	20	20
	Total	197	12		Total	937	375
				14	MIZORAM		
					R.TlawNg (Dhaleswari)	238	81
					R.Kolodyne (Chhintuipoi)	196	22
11	UTTAR PRADESH***				Khawthlang Tuipui	134	17
	Gomti	960			R. Tuichawrg	167	19
	Rapti	778			Tul River	55	16
	Ghaghra	1116			Others	-	-
	Ganga	2345	425#		Total	790	155
	Sai	760					

Source : IWT Directorate of States & IWAI (Statistics of Inland water transport 2015-16, Ministry of Shipping)

*Relates to 2012-13 **Including Canals ***Related to 2007-08 ***Relates to 2007-08 - Not available

Navigable length pertains to NW I for Allahabad-Buxar stretch in Uttar Pradesh is available.

\$ Total length is less than navigable length as length of canals is not provided whereas navigable length of canals is provided.

@ Includes 268 Kms. Each of Total Length and Navigable Length pertaining to canals.

^ The information for the year 2016 from the States of Assam, Karnataka, Kerala and Tamil Nadu has not received. Hence last year data has been repeated.

**Statement 2.60: Projected Water Demand in India
(By Different Use)**

S. No.	Sector	Water Demand in BCM								
		Standing Sub-Committee of MoWRRDGR			NCIWRD					
		2010	2025	2050	2010		2025		2050	
					Low	High	Low	High	Low	High
1	Irrigation	688	910	1072	543	557	561	611	628	807
2	Drinking Water	56	73	102	42	43	55	62	90	111
3	Industry	12	23	63	37	37	67	67	81	81
4	Energy	5	15	130	18	19	31	33	63	70
5	Other	52	72	80	54	54	70	70	111	111
6	Total	813	1093	1447	694	710	784	843	973	1180

Source: Report of the Standing Sub-Committee on "Assessment of Availability & requirement of Water for Diverse uses-2000", Basin Planning Directorate, CWC, XI Plan Document.

BCM: Billion Cubic Meters

MoWRRD &GR: Ministry of Water Resources, River Development & Ganga Rejuvenation

NCIWRD: National Commission on Integrated Water Resources Development

Statement 2.61: Ground water resource potential as per basin

Sl. No.	Basin	Total Re-plenishable Ground Water Resource (M.C.M/Yr)	Provision of Domestic Industrial & Other Uses (M.C.M/Yr)	Available for Irrigation (M.C.M/Yr)	Net Draft (M.C.M/Yr)	Balance for future Use (M.C.M/Yr)	% Level of Ground Water Development
1	Brahmaputra	26545.69	3981.35	22564.34	760.06	21804.29	3.37
2	Brahmani with Baitarni	4054.23	608.13	3446.09	291.22	3154.88	8.45
3	Cambai composite	7187.25	1078.09	6109.16	2449.06	3660.10	40.09
4	Caveri	12295.71	1844.35	10451.35	5782.85	4668.50	55.33
5	Ganga	170994.74	26030.47	144964.26	48593.67	96370.56	33.52
6	Godavari	40649.82	9657.69	30992.12	6054.23	24937.90	19.53
7	Indus	26485.42	3053.95	23431.47	18209.30	5222.17	77.71
8	Krishna	26406.97	5578.34	20828.63	6330.45	14498.19	30.39
9	Kutch & Saurashtra	11225.09	1738.10	9486.99	4851.87	4791.02	51.14
10	Madras & Southern	18219.72	2732.95	15486.77	8933.25	6553.52	57.68
11	Mahanadi	16460.55	2471.10	13989.45	972.63	13016.81	6.95
12	Meghna	8516.69	1277.48	7239.21	285.34	6953.87	3.94
13	Narmada	10826.54	1653.75	9172.79	1994.18	7178.61	21.74
14	Northeast Composite	18842.61	2826.39	16016.22	2754.93	13261.29	17.20
15	Pennar	4929.29	739.39	4189.89	1533.38	2656.51	36.60
16	Subranarekha	1819.41	272.91	1546.50	148.06	1398.43	9.57
17	Tapi	8269.50	2335.79	5933.70	1961.33	3972.38	33.05
18	Western Ghat	17693.72	3194.78	14499.18	3318.12	11181.06	22.88
Total		431422.93	71075.02	360348.15	115223.93	245280.08	31.92

Source: Central Ground Water Board
Note: Totals may not tally.

MCM/yr : Million Cubic Metre/Year

Statement 2.62: State-wise ground water resources

Unit:BCM/Yr

Sr. No.	States	Annual Replenishable Ground Water Resources				Total	Natural Discharge during non-monsoon season	Net Annual Ground Water Availability
		Monsoon Season		Non-monsoon Season				
		Re-charge from rainfall	Recharge from other sources	Recharge from rainfall	Recharge from other source			
1	Andhra Pradesh	8.97	4.25	3.21	3.97	20.39	1.91	18.48
2	Arunachal Pradesh	3.340	0.0003	1.092	0.001	4.433	0.443	3.990
3	Assam	20.56	1.82	9.22	0.49	32.11	3.21	28.90
4	Bihar	20.66	3.48	3.36	3.81	31.31	2.82	28.49
5	Chhattisgarh	10.11	0.76	0.87	1.06	12.80	0.90	11.90
6	Delhi	0.09	0.02	0.014	0.22	0.34	0.03	0.31
7	Goa	0.15	0.011	0.01	0.08	0.24	0.10	0.15
8	Gujarat	13.93	3.22	0.00	3.71	20.85	1.07	19.79
9	Haryana	3.62	3.10	1.03	3.60	11.36	1.06	10.30
10	Himachal Pradesh	0.40	0.02	0.11	0.03	0.56	0.03	0.53
11	Jammu & Kashmir	1.22	2.69	0.79	0.55	5.25	0.43	4.82
12	Jharkhand	5.61	0.06	0.73	0.16	6.56	0.57	5.99
13	Karnataka	6.74	4.18	2.67	3.40	17.00	2.16	14.83
14	Kerala	4.51	0.04	0.59	1.13	6.27	0.60	5.66
15	Madhya Pradesh	28.59	1.27	0.82	5.30	35.98	1.82	34.16
16	Maharashtra	21.96	1.64	1.83	7.76	33.19	1.71	31.48
17	Manipur	0.244	0.010	0.201	0.019	0.474	0.047	0.426
18	Meghalaya	3.05	0.00	0.15	0.107	3.31	0.33	2.98
19	Mizoram	0.02899	Negligible	0.01042	Negligible	0.03942	0.00394	0.03548
20	Nagaland	1.30	0	0.64	0	1.94	0.194	1.75
21	Odisha	11.29	2.53	1.33	2.63	17.78	1.09	16.69
22	Punjab	5.75	13.21	1.32	5.64	25.91	2.52	23.39
23	Rajasthan	9.06	0.69	0.27	2.49	12.51	1.26	11.26
24	Sikkim	-	-	-	-	-	-	-
25	Tamil Nadu	7.12	9.87	1.52	2.15	20.65	2.07	18.59
26	Telangana	8.13	2.12	1.65	2.84	14.74	1.35	13.39
27	Tripura	1.141	0.000	0.738	0.593	2.471	0.202	2.269
28	Uttar Pradesh	41.97	11.52	4.60	18.25	76.34	4.75	71.58
29	Uttarakhand	1.10	0.22	0.24	0.43	2.00	0.03	1.97
30	West Bengal	18.71	5.26	1.51	3.85	29.33	2.77	26.56
	Total State	259.33	72.00	40.53	74.28	446.14	35.49	410.64
	Union Territories							
31	Andaman & Nicobar	0.38	0.04	0.0002	0.00005	0.420	0.0420	0.378
32	Chandigarh	0.015	0.0004	0.005	0.001	0.022	0.0022	0.0194
33	Dadara & Nagar Haveli	0.054	0.002	0.010	0.004	0.070	0.007	0.063
34	Daman & Diu	0.012	0.001	0.000	0.001	0.015	0.001	0.014
35	Lakshdweep	0	0	0	0	0.01055	0.00704	0.00350
36	Puducherry	0.095	0.060	0.009	0.028	0.193	0.019	0.174
	Union Territories	0.56	0.10	0.024	0.035	0.73	0.08	0.65
	Grand Total	259.89	72.10	40.55	74.32	446.87	35.57	411.30

Source: Central Ground Water Board, Dynamic Ground Water Resources of India, (as on 31st March, 2013)

BCM: Billion Cubic Meter.

: The stage of Ground water development is to be computed as : E/N (Where E: Existing Gross draft for all uses and N: Net annual availability.)

Contd.

Statement 2.62: State- Wise ground water resources

Unit:BCM/Yr

Sr. No.	States	Annual Ground Water Draft			Projected Demand for Domestic and Industrial uses upto 2025	Ground Water availability for future irrigation	#Stage of Ground Water Development (%)
		Irrigation	Domestic and Industrial uses	Total			
1	Andhra Pradesh	7.29	0.81	8.10	1.64	10.21	44
2	Arunachal Pradesh	0.002	0.007	0.01	0.020	3.967	0.23
3	Assam	4.06	0.68	4.74	0.84	24.00	16
4	Bihar	10.36	2.37	12.73	0.60	17.52	45
5	Chhattisgarh	3.76	0.64	4.40	0.76	7.38	37
6	Delhi	0.14	0.25	0.39	0.25	0.02	127
7	Goa	0.02	0.03	0.05	0.04	0.09	37
8	Gujarat	12.30	1.14	13.44	1.46	6.77	68
9	Haryana	13.32	0.60	13.92	0.56	-3.58	135
10	Himachal Pradesh	0.16	0.11	0.27	0.07	0.30	51
11	Jammu & Kashmir	0.20	0.98	1.18	1.07	3.55	24
12	Jharkhand	0.63	0.72	1.35	0.17	5.19	23
13	Karnataka	8.76	0.99	9.76	1.49	5.55	66
14	Kerala	1.18	1.45	2.63	1.55	2.93	47
15	Madhya Pradesh	17.95	1.41	19.36	2.35	13.86	57
16	Maharashtra	15.93	1.14	17.07	2.21	13.72	54
17	Manipur	0.004	0.001	0.004	0.049	0.374	1.01
18	Meghalaya	0.0080	0.0040	0.0120	0.207	2.76	0.4
19	Mizoram	0	0.00104	0.00104	0.00238	0.0331	2.9
20	Nagaland	0.00	0.03	0.03	0.01	1.74	2.0
21	Odisha	4.14	0.87	5.02	1.35	11.20	30
22	Punjab	34.05	0.77	34.81	0.97	-11.63	149
23	Rajasthan	13.79	1.92	15.71	2.32	0.90	140
24	Sikkim	-	-	-	-	-	-
25	Tamil Nadu	12.98	1.38	14.36	1.53	4.08	77
26	Telangana	7.00	0.76	7.77	1.55	4.83	58
27	Tripura	0.093	0.072	0.165	0.200	1.976	7.3
28	Uttar Pradesh	48.35	4.41	52.76	6.44	19.01	74
29	Uttarakhand	0.84	0.15	0.99	0.30	0.82	50
30	West Bengal	10.84	1.00	11.84	1.53	14.19	45
	Total State	228.16	24.71	252.87	31.55	161.76	62
	Union Territories						
31	Andaman & Nicobar	0.0001	0.0035	0.0037	0.016	0.361	1
32	Chandigarh	0	0	0	0	0	0
33	Dadara & Nagar Haveli	0.008	0.013	0.020	0.014	0.042	32
34	Daman & Diu	0.008	0.002	0.010	0.003	0.003	70
35	Lakshdweep	0.00000	0.00237	0.00237	0	0	68
36	Puducherry	0.124	0.029	0.153	0.047	0.053	88
	Union Territories	0.139	0.050	0.189	0.08	0.46	29
	Grand Total	228.30	24.76	253.06	31.63	162.22	62

Source: Central Ground Water Board, Dynamic Ground Water Resources of India, (as on 31st March, 2013)

BCM: Billion Cubic Meter.

: The stage of Ground water development is to be computed as : E/N (Where E: Existing Gross draft for all uses and N: Net annual availability.)