

**GOVERNMENT OF INDIA
MINISTRY OF STATISTICS AND PROGRAMME IMPLEMENTATION**

**LOK SABHA
UNSTARRED QUESTION NO. 541
TO BE ANSWERED ON 06.12.2023**

CALCULATION OF NATIONAL AGGREGATES

541. DR. KALANIDHI VEERASWAMY:

Will the Minister of STATISTICS AND PROGRAMME IMPLEMENTATION be pleased to state:

- (a) whether the list of factories/units in the Annual Survey of Industries (ASI) is outdated thus affecting the calculation of national aggregates and indices;**
- (b) if so, the details thereof and the steps taken by the Government to renew/update this database;**
- (c) whether the Government proposes to introduce a comprehensive, dynamic business register that captures the birth and death of firms;**
- (d) if so, the details thereof and if not, the reasons therefor;**
- (e) whether the Government has observed any change in the growth, composition and structure of the manufacturing sector; and**
- (f) if so, the details thereof?**

ANSWER

MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF STATISTICS AND PROGRAMME IMPLEMENTATION, MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF PLANNING AND MINISTER OF STATE IN THE MINISTRY OF CORPORATE AFFAIRS [RAO INDERJIT SINGH]

(a) to (b): The primary source of data for Annual Survey of Industries (ASI) frame is the list of factories registered under the Factories Act, 1948 and maintained by the Chief Inspector of Factories (CIF) of the respective State Governments which is the statutory authority specified by the Act for this purpose. The list with respect to the Bidi and cigar manufacturing establishments registered under the Bidi and Cigar Workers (Conditions of

Employment) Act, 1966 are maintained by the Office of the Labour Commissioners of the respective State Governments. List of factories/establishments are collected from these authorities every year at the time of updation of ASI frame. Thus, the ASI frame is regularly updated every year by National Sample Survey Office (NSSO), before the start of the survey on the basis of information provided by mentioned registration authorities. At the time of revision, the names of the de-registered factories are removed from the Annual Survey of Industries (ASI) frame and those of the newly registered factories are added.

(c) and (d): No such proposal has been introduced. However, date of incorporation and date of strike off for Companies and (Limited Liability Partnership) LLPs are captured by Ministry of Corporate Affairs in the MCA21 portal.

(e) and (f): With regard to the changes in manufacturing sector, the information provided in Annexure is based on ASI, conducted by NSSO, Ministry of Statistics & Programme Implementation. Details of the estimated number of factories in operation, fixed capital, total persons engaged, total output and Gross Value Added (GVA) at National Industrial Classification (NIC) 2-digit wise at all- India level for last three years i.e., ASI 2017-18, ASI 2018-19 and ASI 2019-20 along with its growth rate (%) are given in the statement at Annexure.

Annexure

Statement referred to in reply to parts (e) and (f) of Lok Sabha Unstarred Question No. 541 for 06.12.2023

NIC 2-digit wise estimated number of Factories in Operation based on ASI 2017-18, ASI 2018-19 and ASI 2019-20, and its percentage growth (%)

NIC-2008	Description	Estimated Number of Factories in Operation			Growth (%)	
		ASI 2017-18	ASI 2018-19	ASI 2019-20	2018-19 over 2017-18	2019-20 over 2018-19
01	COTTON GINNING, CLEANING AND BAILING (01632); SEED PROCESSING FOR PROPAGATION (01640)	2957	2917	2841	-1.35	-2.61
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	136	131	139	-3.68	6.11
10	FOOD PRODUCTS	32467	32529	33245	0.19	2.20
11	BEVERAGES	2093	1930	1893	-7.79	-1.92
12	TOBACCO PRODUCTS	2834	2888	2740	1.91	-5.12
13	TEXTILES	13879	13843	13539	-0.26	-2.20
14	WEARING APPAREL	7667	8341	8598	8.79	3.08
15	LEATHER AND RELATED PRODUCTS	3854	3816	3949	-0.99	3.49
16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE	3986	4046	3925	1.51	-2.99
17	PAPER AND PAPER PRODUCTS	5748	5937	5931	3.29	-0.10
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	3520	3426	3255	-2.67	-4.99
19	COKE AND REFINED PETROLEUM PRODUCTS	1352	1437	1402	6.29	-2.44
20	CHEMICALS AND CHEMICAL PRODUCTS	10715	10925	11073	1.96	1.35
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	4354	4434	4501	1.84	1.51
22	RUBBER AND PLASTICS PRODUCTS	11139	11766	11732	5.63	-0.29
23	OTHER NON-METALLIC MINERAL PRODUCTS	24041	24238	23960	0.82	-1.15
24	BASIC METALS	9576	9613	10106	0.39	5.13
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	13400	12142	12635	-9.39	4.06
26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	1836	1863	1908	1.47	2.42
27	ELECTRICAL EQUIPMENT	6221	6024	6076	-3.17	0.86
28	MACHINERY AND EQUIPMENT N.E.C.	10526	11046	10949	4.94	-0.88
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	5334	5135	5353	-3.73	4.25
30	OTHER TRANSPORT EQUIPMENT	1955	1927	1855	-1.43	-3.74
31	MANUFACTURE OF FURNITURE	1597	1644	1711	2.94	4.08
32	OTHER MANUFACTURING	2817	2910	3033	3.30	4.23
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	565	608	535	7.61	-12.01
38	WASTE COLLECTION, TREATMENT & DISPOSAL ACTIVITIES; MATERIALS RECOVERY	468	483	430	3.21	-10.97
58	PUBLISHING ACTIVITIES	251	271	288	7.97	6.27
	OTHER INDUSTRIES	10294	10872	11023	5.61	1.39
	ALL INDIA	195584	197145	198628	0.80	0.75

NIC 2-digit wise estimated fixed capital based on ASI 2017-18, ASI 2018-19 and ASI 2019-20, and its percentage growth (%)

NIC-2008	Description	Estimated Fixed Capital (Rs. Lakh)			Growth (%)	
		ASI 2017-18	ASI 2018-19	ASI 2019-20	2018-19 over 2017-18	2019-20 over 2018-19
01	COTTON GINNING, CLEANING AND BAILING (01632); SEED PROCESSING FOR PROPAGATION (01640)	4,73,207	5,09,933	5,54,147	7.76	8.67
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	58,595	57,964	67,541	-1.08	16.52
10	FOOD PRODUCTS	2,11,19,573	2,21,32,560	2,25,78,702	4.80	2.02
11	BEVERAGES	33,86,731	37,79,590	40,59,785	11.60	7.41
12	TOBACCO PRODUCTS	6,08,951	6,09,843	6,08,102	0.15	-0.29
13	TEXTILES	1,66,69,310	1,68,15,073	1,66,84,755	0.87	-0.78
14	WEARING APPAREL	28,57,883	31,06,114	34,41,668	8.69	10.80
15	LEATHER AND RELATED PRODUCTS	11,23,972	12,73,051	14,06,327	13.26	10.47
16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE	6,88,936	7,14,098	8,22,068	3.65	15.12
17	PAPER AND PAPER PRODUCTS	58,59,566	61,19,135	62,36,966	4.43	1.93
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	16,48,943	21,98,748	14,68,881	33.34	-33.19
19	COKE AND REFINED PETROLEUM PRODUCTS	4,31,17,758	4,51,92,006	5,06,26,032	4.81	12.02
20	CHEMICALS AND CHEMICAL PRODUCTS	3,18,81,915	3,03,23,658	3,23,04,885	-4.89	6.53
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	1,19,67,765	1,27,72,131	1,33,35,890	6.72	4.41
22	RUBBER AND PLASTICS PRODUCTS	95,92,356	1,13,61,948	1,18,52,490	18.45	4.32
23	OTHER NON-METALLIC MINERAL PRODUCTS	1,92,01,089	2,11,29,741	2,42,23,331	10.04	14.64
24	BASIC METALS	6,74,02,696	6,47,77,634	6,79,43,524	-3.89	4.89
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	56,64,385	57,07,724	67,16,397	0.77	17.67
26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	23,21,003	25,09,231	30,32,378	8.11	20.85
27	ELECTRICAL EQUIPMENT	58,52,720	63,77,422	62,83,390	8.97	-1.47
28	MACHINERY AND EQUIPMENT N.E.C.	88,19,506	1,08,78,259	1,07,85,338	23.34	-0.85
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	1,80,25,118	1,90,17,722	2,26,91,883	5.51	19.32
30	OTHER TRANSPORT EQUIPMENT	50,14,706	48,10,637	59,03,985	-4.07	22.73
31	MANUFACTURE OF FURNITURE	5,16,642	5,46,254	6,78,107	5.73	24.14
32	OTHER MANUFACTURING	16,36,532	15,97,006	19,22,093	-2.42	20.36
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	4,04,086	4,42,933	5,76,625	9.61	30.18
38	WASTE COLLECTION, TREATMENT & DISPOSAL ACTIVITIES; MATERIALS RECOVERY	4,42,647	4,52,329	5,44,822	2.19	20.45
58	PUBLISHING ACTIVITIES	2,94,580	2,96,914	3,06,615	0.79	3.27
	OTHER INDUSTRIES	4,19,37,758	5,10,97,316	4,64,78,441	21.84	-9.04
	ALL INDIA	32,85,88,927	34,66,06,975	36,41,35,165	5.48	5.06

NIC 2-digit wise estimated total persons engaged based on ASI 2017-18, ASI 2018-19 and ASI 2019-20, and its percentage growth (%)

NIC-2008	Description	Estimated Total Persons Engaged (Number)			Growth (%)	
		ASI 2017-18	ASI 2018-19	ASI 2019-20	2018-19 over 2017-18	2019-20 over 2018-19
01	COTTON GINNING, CLEANING AND BAILING (01632); SEED PROCESSING FOR PROPAGATION (01640)	79,471	79,934	67,981	0.58	-14.95
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	10,766	8,787	10,292	-18.38	17.13
10	FOOD PRODUCTS	17,72,399	18,26,812	18,45,131	3.07	1.00
11	BEVERAGES	1,61,065	1,78,474	1,87,494	10.81	5.05
12	TOBACCO PRODUCTS	4,61,335	4,56,487	4,47,064	-1.05	-2.06
13	TEXTILES	16,78,671	16,73,250	16,29,101	-0.32	-2.64
14	WEARING APPAREL	11,89,520	11,97,318	12,60,628	0.66	5.29
15	LEATHER AND RELATED PRODUCTS	3,87,134	4,07,117	4,26,093	5.16	4.66
16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE	98,674	98,176	95,269	-0.50	-2.96
17	PAPER AND PAPER PRODUCTS	2,84,057	3,16,614	3,23,629	11.46	2.22
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	1,59,164	1,52,344	1,53,914	-4.28	1.03
19	COKE AND REFINED PETROLEUM PRODUCTS	1,46,866	1,87,072	1,55,030	27.38	-17.13
20	CHEMICALS AND CHEMICAL PRODUCTS	8,28,315	8,87,240	9,32,428	7.11	5.09
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	7,40,251	7,58,352	8,07,279	2.45	6.45
22	RUBBER AND PLASTICS PRODUCTS	7,13,214	8,13,489	8,43,562	14.06	3.70
23	OTHER NON-METALLIC MINERAL PRODUCTS	10,90,629	10,45,868	10,54,127	-4.10	0.79
24	BASIC METALS	10,32,613	11,49,215	12,04,877	11.29	4.84
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	6,91,567	6,81,921	7,05,038	-1.39	3.39
26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	2,31,454	2,55,847	2,83,470	10.54	10.80
27	ELECTRICAL EQUIPMENT	5,98,477	6,07,944	6,35,006	1.58	4.45
28	MACHINERY AND EQUIPMENT N.E.C.	8,48,502	9,34,103	9,35,811	10.09	0.18
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	10,17,614	10,95,138	10,82,076	7.62	-1.19
30	OTHER TRANSPORT EQUIPMENT	3,47,825	3,70,776	4,21,386	6.60	13.65
31	MANUFACTURE OF FURNITURE	81,465	86,623	86,844	6.33	0.26
32	OTHER MANUFACTURING	4,04,616	4,18,767	4,35,986	3.50	4.11
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	30,081	38,267	34,384	27.21	-10.15
38	WASTE COLLECTION, TREATMENT & DISPOSAL ACTIVITIES; MATERIALS RECOVERY	19,920	21,425	21,124	7.56	-1.40
58	PUBLISHING ACTIVITIES	25,328	24,001	23,431	-5.24	-2.37
	OTHER INDUSTRIES	4,83,628	5,08,851	5,15,834	5.22	1.37
	ALL INDIA	1,56,14,619	1,62,80,211	1,66,24,291	4.26	2.11

NIC 2-digit wise estimated total output based on ASI 2017-18, ASI 2018-19 and ASI 2019-20, and its percentage growth (%)

NIC-2008	Description	Estimated Total Output (Rs. Lakh)			Growth (%)	
		ASI 2017-18	ASI 2018-19	ASI 2019-20	2018-19 over 2017-18	2019-20 over 2018-19
01	COTTON GINNING, CLEANING AND BAILING (01632); SEED PROCESSING FOR PROPAGATION (01640)	78,18,781	85,05,789	64,29,751	8.79	-24.41
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	94,040	96,351	1,20,438	2.46	25.00
10	FOOD PRODUCTS	11,09,89,863	11,90,59,534	12,43,57,019	7.27	4.45
11	BEVERAGES	76,56,224	86,39,977	92,44,616	12.85	7.00
12	TOBACCO PRODUCTS	43,81,051	52,40,835	42,42,699	19.63	-19.05
13	TEXTILES	4,19,12,041	4,37,81,702	3,97,44,643	4.46	-9.22
14	WEARING APPAREL	1,31,99,683	1,53,08,246	1,60,36,338	15.97	4.76
15	LEATHER AND RELATED PRODUCTS	55,31,381	61,10,123	66,87,321	10.46	9.45
16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE	22,29,374	28,63,503	28,38,114	28.44	-0.89
17	PAPER AND PAPER PRODUCTS	1,13,38,867	1,39,18,436	1,36,94,335	22.75	-1.61
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	41,68,079	42,21,332	42,49,223	1.28	0.66
19	COKE AND REFINED PETROLEUM PRODUCTS	9,59,41,671	11,34,03,646	10,87,57,631	18.20	-4.10
20	CHEMICALS AND CHEMICAL PRODUCTS	6,61,49,864	8,21,12,597	7,93,09,606	24.13	-3.41
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	2,85,01,422	3,42,22,715	3,48,65,761	20.07	1.88
22	RUBBER AND PLASTICS PRODUCTS	2,79,28,238	3,49,48,381	3,35,21,363	25.14	-4.08
23	OTHER NON-METALLIC MINERAL PRODUCTS	2,79,87,791	3,34,36,815	3,26,24,987	19.47	-2.43
24	BASIC METALS	10,46,70,455	12,99,16,070	11,94,79,836	24.12	-8.03
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	2,11,46,384	2,28,16,481	2,31,39,983	7.90	1.42
26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	1,99,46,156	2,42,62,116	2,15,27,624	21.64	-11.27
27	ELECTRICAL EQUIPMENT	3,07,38,609	3,28,78,719	3,19,29,192	6.96	-2.89
28	MACHINERY AND EQUIPMENT N.E.C.	3,67,17,299	4,13,76,583	3,92,31,342	12.69	-5.18
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	6,22,50,066	7,13,03,693	6,28,42,564	14.54	-11.87
30	OTHER TRANSPORT EQUIPMENT	1,96,56,447	2,23,54,935	2,34,11,876	13.73	4.73
31	MANUFACTURE OF FURNITURE	21,22,355	24,18,881	24,79,624	13.97	2.51
32	OTHER MANUFACTURING	2,05,34,166	2,11,38,398	2,25,59,948	2.94	6.72
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	11,24,160	10,02,524	14,31,684	-10.82	42.81
38	WASTE COLLECTION, TREATMENT & DISPOSAL ACTIVITIES; MATERIALS RECOVERY	16,06,641	13,95,505	11,08,912	-13.14	-20.54
58	PUBLISHING ACTIVITIES	6,95,230	6,79,031	6,82,544	-2.33	0.52
	OTHER INDUSTRIES	3,01,80,920	3,07,66,990	3,17,81,153	1.94	3.30
	ALL INDIA	80,72,17,258	92,81,79,908	89,83,30,129	14.99	-3.22

NIC 2-digit wise estimated Gross Value Added (GVA) based on ASI 2017-18, ASI 2018-19 and ASI 2019-20, and its percentage growth (%)

NIC-2008	Description	Estimated Gross Value Added (Rs. Lakh)			Growth (%)	
		ASI 2017-18	ASI 2018-19	ASI 2019-20	2018-19 over 2017-18	2019-20 over 2018-19
01	COTTON GINNING, CLEANING AND BAILING (01632); SEED PROCESSING FOR PROPAGATION (01640)	4,67,639	5,43,339	4,76,619	16.19	-12.28
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	42,217	41,369	45,126	-2.01	9.08
10	FOOD PRODUCTS	1,11,23,096	1,12,99,660	1,16,61,048	1.59	3.20
11	BEVERAGES	19,41,643	22,74,853	20,96,211	17.16	-7.85
12	TOBACCO PRODUCTS	17,09,660	18,47,865	18,54,376	8.08	0.35
13	TEXTILES	71,35,269	80,27,293	74,03,754	12.50	-7.77
14	WEARING APPAREL	35,10,562	38,82,562	40,80,616	10.60	5.10
15	LEATHER AND RELATED PRODUCTS	12,22,478	13,96,126	13,60,485	14.20	-2.55
16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE	4,28,687	4,96,471	5,23,215	15.81	5.39
17	PAPER AND PAPER PRODUCTS	21,66,071	25,96,520	25,59,016	19.87	-1.44
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	12,60,232	13,13,662	12,08,090	4.24	-8.04
19	COKE AND REFINED PETROLEUM PRODUCTS	1,59,10,666	75,55,128	48,80,847	-52.52	-35.40
20	CHEMICALS AND CHEMICAL PRODUCTS	1,44,16,260	1,59,91,892	1,65,88,800	10.93	3.73
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	1,02,18,233	1,17,95,347	1,22,38,228	15.43	3.75
22	RUBBER AND PLASTICS PRODUCTS	53,73,872	62,65,571	67,84,187	16.59	8.28
23	OTHER NON-METALLIC MINERAL PRODUCTS	76,60,779	84,47,184	82,65,331	10.27	-2.15
24	BASIC METALS	1,45,56,712	1,69,14,048	1,50,67,749	16.19	-10.92
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	43,80,776	46,35,914	46,34,957	5.82	-0.02
26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	32,35,105	34,99,002	32,24,386	8.16	-7.85
27	ELECTRICAL EQUIPMENT	53,63,196	57,69,254	54,41,754	7.57	-5.68
28	MACHINERY AND EQUIPMENT N.E.C.	92,55,645	94,51,069	91,47,395	2.11	-3.21
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	1,04,11,207	1,26,46,578	1,07,72,656	21.47	-14.82
30	OTHER TRANSPORT EQUIPMENT	39,04,596	47,85,275	52,23,443	22.55	9.16
31	MANUFACTURE OF FURNITURE	4,05,098	4,86,278	5,33,740	20.04	9.76
32	OTHER MANUFACTURING	23,79,590	24,01,788	26,98,116	0.93	12.34
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	3,69,492	2,88,390	3,77,043	-21.95	30.74
38	WASTE COLLECTION, TREATMENT & DISPOSAL ACTIVITIES; MATERIALS RECOVERY	1,71,798	1,91,726	1,98,133	11.60	3.34
58	PUBLISHING ACTIVITIES	2,67,460	2,28,512	2,29,876	-14.56	0.60
	OTHER INDUSTRIES	74,09,004	87,29,254	89,99,313	17.82	3.09
	ALL INDIA	14,66,97,043	15,38,01,928	14,85,74,512	4.84	-3.40

Source: ASI 2017-18, ASI 2018-19 & ASI 2019-20