



**GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI**



**INDEX OF  
INDUSTRIAL PRODUCTION  
2017-18**

**BASE YEAR: (2011-12)**

**DIRECTORATE OF ECONOMICS & STATISTICS  
VIKAS BHAWAN –II, 3<sup>rd</sup> FLOOR, “B” WING  
UPPER BELA ROAD, NEAR METCALF HOUSE, DELHI – 110054**



**GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI**

**INDEX OF  
INDUSTRIAL PRODUCTION**

**2017 to 2018**

**BASE YEAR: (2011-12=100)**

**DIRECTORATE OF ECONOMICS & STATISTICS  
VIKAS BHAWAN –II, 3<sup>rd</sup> FLOOR, “B” WING  
UPPER BELA ROAD, NEAR METCALF HOUSE, DELHI – 110054**

**Website: [www.des.delhigovt.nic.in](http://www.des.delhigovt.nic.in)**

## **P R E F A C E**

The present report “Index of Industrial Production 2017-18” is brought out by this Directorate as per the new base year 2011-12. This report is the third in new series with base year 2011-12 presenting the physical growth of the registered manufacturing sector of Delhi for the year 2017-18. The methodology used for compilation of Index of Industrial Production is devised by Central Statistics Office, Ministry of Statistics & Programme Implementation, Government of India.

The State Level IIP serves as a vital quantitative indicator of trends in the registered manufacturing segment in the short term. This is a useful and instant tool in the hands of Planners and Policy makers to gauge the health of the industry in short run as the final statement on this sector comes with publication of results of Annual Survey of Industry with a time lag of about 2 Years. The index of Industrial Production also serves as a deflator for estimation of industrial production at constant prices. This report gives trends in index month-wise, industry division-wise and broad sub sector-wise.

This publication was brought out by the ASI /IIP unit of this Directorate under the guidance of Mrs. Manjubala Sahoo, Joint Director, Sh. C.K. Dutta, Dy. Director/H.O.O and under the active supervision of Sh. K.R. Chhibber, Sh. Vinod Thukral, Assistant Directors, Sh Charan Jeet, and Sh. Parveen Chawla, , Statistical Officers. Sh. Shahid, Sh. Rakesh Kumar, Sh. Rupender, Ms. Binni Choudhary, Sh. Pradeep Kumar, Sh. Sachin, Statistical Assistants made strenuous efforts in collection of data from the industrial units. This Directorate is indebted to the co-operation extended by all industries /units for supply of data periodically. This Directorate is also grateful to Central Statistics Office, MoSPI, Govt. of India for imparting training and extending time to time guidelines in compilation of Index.

Delhi

July, 2018

Devinder Singh

Special Secretary & Director

# CONTENTS

<b>CHAPTER</b>	<b>PAGE</b>
I. Introduction	1
II. Methodology	2-9
III. Brief analysis of Index of Industrial production	10- 14
IV. Use Based Index of Industrial Production	15 - 16
<b>GRAPHICAL REPRESENTATION</b>	
[G2.1] Weighting Diagram at 2digit level of NIC-2008	6
[G3.1] Index of Industrial Production by Major Sectors	11
[G3.2] Graphical Presentation of Electricity sector in last three years	13
[G-3.3] Graphical Presentation of Manufacturing sector in last three years	14
[G-3.4] Graphical Presentation of General Index in last three years	14
[G4.1] Weighting diagram as per Use-Based Classification	16
[G4.2] Graphical Presentation of IIP as per Use-Based Classification	16
<b>STATEMENTS</b>	
2.1 Distribution of weight at 2-Digit level of NIC 2008	5
2.2 Item Basket with weights for index of Industrial Production	7-9
3.1 Sector-wise Index of Industrial Production	11
3.2 Index Number at 2 Digit Level of NIC-2008	12
3.3 Monthly Index of Industrial Production in Major Sectors	13
4.1 Index of Industrial Production with Use Based Classification of Items of production	15
<b>ANNEXURE</b>	17-19

# CHAPTER ONE

## INTRODUCTION

Index of Industrial Production (IIP) is of immense use for measuring the industrial development of a State/Territory. The index indicates relative changes over the time in the volume of production in non-agricultural commodities and it is an effective tool to measure the trend of current Industrial Production. Index of Industrial Production is a single representative figure (an abstract number) to measure the general level of Industrial performance in an economy. It measures the short term changes in the volume of industrial production during the given period w.r.t. chosen base period. The figure (s) used extensively by Govt. Department, Industrial Association, Research Industries, and Academicians etc. for research and policy formulation purposes. At the National level, the index of industrial production is being compiled by the Central Statistics Office, Govt. of India and is released on monthly basis. This index, however, does not serve the purpose for evaluating the industrial growth of a State/Union Territory. Therefore, the Directorate of Economics and Statistics has been compiling/releasing the monthly indices of industrial production for the National Capital Territory of Delhi on quarterly/annual basis since 1976.

In the first series, 1970 was the base year for compiling the IIP both by the Central Statistical Organization & Directorate of Economics and Statistics. The base year was, however, shifted to 1980-81 in the year 1987 as per recommendations made by the Working Group so as to accommodate the latest structural developments that have taken place in the industrial profile during the seventies. Accordingly the Directorate of Economics and Statistics also adopted the base year of 1980-81 since 1989-90.

The main lacuna of State Level Index of Industrial Production (IIP), is that the Indices lacked comparability due to use of different base year, periodicity & data sources etc. The need for a comparable state level IIP to facilitate studies on the state-wise performance of Industrial sector has been felt for quite some time. Accordingly a Technical Advisory Committee (TAC) was constituted in June, 1995 to formulate guidelines and methodology for preparation of comparable IIP. On the basis of recommendations of TAC it was decided to bring forward the base year from 1980-81 to 1993-94. Subsequently the base year was revised from 1993-94 to 1999-2000 and then 1999-2000 to 2004-05, now it has been shifted to 2011-12 to compile comparable IIP.

Accordingly, as per initial guidelines of CSO, Govt. of India in July 2015, the item basket & weighting diagram were prepared after intensive field work. The Index for the period of 2017-18 is presented in this report with the new base year 2011-12.

In this publication time series IIP Indices are presented w.r.t. manufacturing and electricity sectors. Indices of industrial production has also been presented broad industry group wise at NIC 2-digit level and also Use-based categories of products.

# CHAPTER TWO

## METHODOLOGY

The specifications with regard to the drawing of the item basket and weighting diagram as recommended by the Working Group have been elucidated below as guidelines for framing the IIP for States/ UTs with base year 2011-12.

### 1. ITEM BASKET

The scope of IIP constitutes the mining, manufacturing and electricity sectors. However, in absence of any mining activity in Delhi only manufacturing and electricity sectors are considered. This time item basket for manufacturing sector were selected and provided to each state/UT by Central Statistics Office (IS-Wing), Kolkata. In case of the Manufacturing sector, the basis for selection of item basket is the GVO (Gross value of Output) figures for products from the Annual Survey of Industries (ASI) 2011-12. The methodology used by CSO for the construction of state-level IIP is as below:

- i. Using the ASI 2011-12 production data pertaining to NIC 10 to 32 the first job was to remove 'other products and by-products' from all the industry groups after re-distributing their values over the rest of the products occurring in the respective industry groups (NIC 3 digits).
- ii. Subsequently, each item (7-digit NPCMS) is placed in alignment with a particular industry group (at NIC 3-digit level) in which the product's maximum GVO occurred, leaving with a unique product description, its NPCMS code, its maximum value occurring over the complete dataset and the industry group pertaining to the maximum value.
- iii. From the list stated above, the product descriptions at the 7-digit level of the NPCMS corresponding to not-elsewhere-classified (n.e.c.) products are removed and the contributions of all such products in a particular industry group are re-distributed among the non-'n.e.c.' products. This is done to avoid ambiguity of description as well as to facilitate easy identification and collection of data pertaining to these items from the factories.
- iv. The list of products thus obtained is arranged in descending order of value of output within each 3-digit level of NIC and then starting from the highest contributor, all the products are selected till total value of output of the selected products becomes at least 80% of the total value of output at each 3-digit level.

## **2. WEIGHTING DIAGRAM**

The methodology for deriving the weighting diagram for State IIP is detailed as under:

- i. Sectoral weight: In allocation of weights, total weight is taken as 1000 and this is apportioned in two industrial sectors namely registered manufacturing and electricity as per their contribution in State GVA.
- ii. Weights at 2-digit level: The weight for the manufacturing sector is distributed at 2- digit levels of NIC in proportion to the total GVA in each 2-digit level of NIC for the State from ASI 2011-12 data.
- iii. Weights at 3-digit level: Weights in each of the NIC 2 digit level is then distributed to NIC 3 digit levels in proportion to their respective GVA figures for the State from ASI 2011-12.
- iv. Weights at product/item group level: NIC-3 digit level weights are then distributed to selected products/ item groups in proportion to their GVOs for the State from ASI 2011-12.

## **3. SELECTION OF FACTORIES**

Once the item basket for a State/ UT has been derived, the list of factories under an item is selected by considering complete list of factories having a substantial combined/aggregate share (at least 50%,) of production of the item in the state/ UT from ASI 2011-12 data.

## **4. COLLECTION OF DATA:**

For preparation of the current series of Index of Industrial Production (Base Year 2011-12), Production data w.r.t. 92 items was collected from 137 factories/units for the financial year 2017-18 through intensive field visits, by post and online arrangement. For some items, production is taken in terms of value as specifications are heterogeneous in nature for those items. The items include leather garments, wearing apparel, corrugated box, water-proof footwear and books.

To overcome the problem of delayed response/non-response the following procedure has been adopted for estimation of production of such non-responding units on monthly basis. Suppose out of say “n” units selected for a particular month,  $n_1$  units give timely response and the remaining of  $n_2$  ( $n-n_1$ ) units might not submitted the return for the particular month in time. The production of item of these  $n_2$  non-responding units has been estimated either on the basis of the trend in production of the  $n_1$  responding units or average production of last three months for a particular item for which data has not been received for the month under report, is taken under consideration.

## 5. CALCULATION OF INDEX:

The Index of Industrial Production is calculated as Weighted Arithmetic Mean of the production relatives in respect of selected items mathematically.

$$I = \frac{\sum R_i \times W_i}{\sum W_i}$$

Where I is the index

$R_i$  is the production relative of i-th and  $W_i$  is the weight allotted to it.

The production relative ( $R_i$ ) of i-th item for the month has been calculated by using the following formula:

$$R_i = \frac{P_{ic}}{P_{io}} \times 100$$

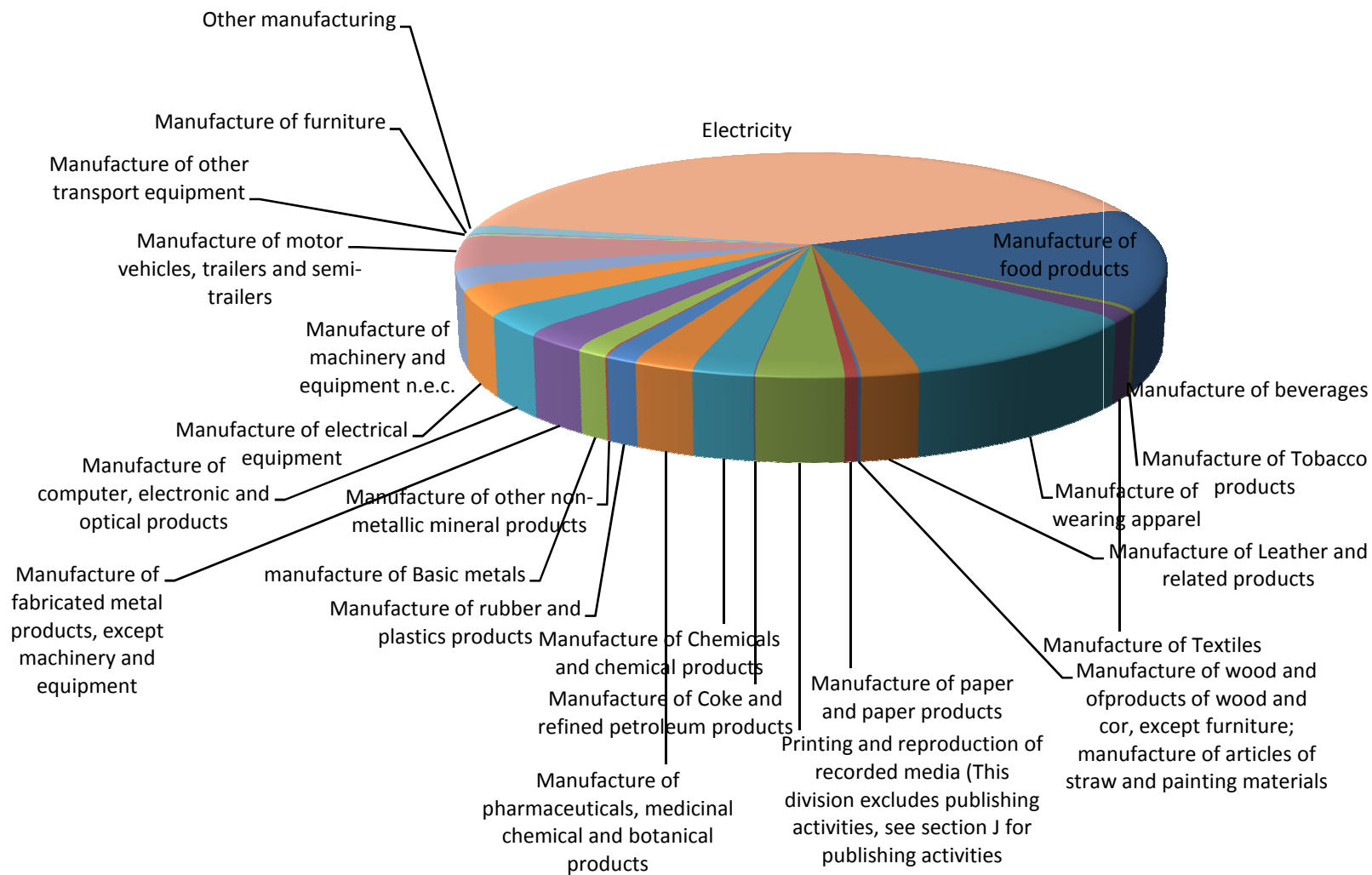
Where  $P_{ic}$  = Production of i-th item in the current month.  
 $P_{io}$  = Production of the i-th item in the base month



**Table 2.1: Distribution of weight at 2 Digit level of NIC 2008**

Sr. No.	NIC 2 Digit	DESCRIPTION	Weight
1	10	Manufacture of food products	143.18
2	11	Manufacture of beverages	0.46
3	12	Manufacture of tobacco products	3.33
4	13	Manufacture of textiles	13.74
5	14	Manufacture of wearing apparel	102.30
6	15	Manufacture of leather and related products	23.25
7	16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	1.14
8	17	Manufacture of paper and paper products	5.13
9	18	Printing and reproduction of recorded media (This division excludes publishing activities, see section J for publishing activities)	34.93
10	19	Manufacture of coke and refined petroleum products	0.57
11	20	Manufacture of chemicals and chemical products	24.62
12	21	Manufacture of pharmaceuticals, medicinal chemical and botanical products	24.46
13	22	Manufacture of rubber and plastics products	13.18
14	23	Manufacture of other non-metallic mineral products	1.00
15	24	Manufacture of basic metals	13.11
16	25	Manufacture of fabricated metal products, except machinery and equipment	26.69
17	26	Manufacture of computer, electronic and optical products	29.87
18	27	Manufacture of electrical equipment	35.87
19	28	Manufacture of machinery and equipment n.e.c.	26.92
20	29	Manufacture of motor vehicles, trailers and semi-trailers	45.79
21	30	Manufacture of other transport equipment	2.70
22	31	Manufacture of furniture	2.28
23	32	Other manufacturing	11.58
24	35	Electricity	413.90
		<b>ALL</b>	1000

## G-2.1 Weighting Diagram at 2 digit level of NIC 2008



**Table 2.2: Item Basket with weights for Index of Industrial Production**

SI No.	NIC 3 Digit	NPCMS	NPCMS Description	ITEM WEIGHT
1	101	2111600	Meat of goat, fresh or chilled	12.91
2	103	2131200	Peas, frozen	3.12
3	103	2131900	Other vegetables and pulses, frozen	1.82
4	106	2311003	Wheat flour	39.43
5	106	2312004	Gram, flour	23.64
6	107	2142400	Cashew nuts, shelled	13.57
7	107	2342001	Biscuits	20.56
8	107	2367000	Sugar confectionery (including white chocolate), not containing cocoa; vegetables, fruit, nuts, fruit-peel and other parts of plants, preserved by sugar	28.13
9	110	2441001	Bottled Mineral Water	0.46
10	120	2501005	Tobacco, chewing (scented or not )	3.33
11	131	2642000	Yarn of man-made filaments, multiple or cabled (other than sewing thread, high tenacity yarn of polyamides, polyesters or viscose rayon), not put up for retail sale; man-made filament yarn (other than sewing thread), put up for retail sale	0.45
12	139	2643014	Yarn, polyester	2.37
13	139	2669003	Cloth finished /processed, cotton	3.38
14	139	2822604	Waistcoats, KC	2.69
15	139	3552010	Yarn rayon	1.85
16	139	3633005	Cloth pvc	3.00
17	141	2822302	Dresses (women's or girls'), KC	29.24
18	141	2824103	Garments, leather	15.56
19	141	2825001	Garments made up of textile fabrics coated with other materials	57.08
20	143	2821003	Socks	0.42
21	152	2931000	Waterproof footwear, with outer soles and uppers of rubber or plastics, other than footwear incorporating a protective metal toe-cap	11.55
22	152	2951000	Footwear incorporating a protective metal toe-cap, except those covered in subclass 29320	11.69
23	162	3812200	Other wooden furniture, of a kind used in offices	0.83
24	162	4299601	Frame photographic, mirror, base metal	0.32
25	170	3212901	Computer stationery	0.74
26	170	3215301	Boxes, corrugated sheet	3.62
27	170	3215302	Card board boxes	0.77
28	181	3212908	paper posters	5.01
29	181	3229901	Books	4.15
30	181	3262005	Printed posters	13.80
31	181	3263001	Calendars	2.60
32	181	3269007	printed Labels	9.37

SI No.	NIC 3 Digit	NPCMS	NPCMS Description	ITEM WEIGHT
33	192	3338002	Grease, petroleum etc.	0.57
34	201	3413930	Menthol	14.00
35	201	3414064	Vinyl acetate, Ethyl Vinyl Acetate	3.74
36	202	3511064	Paint	1.30
37	202	3533101	Agarbati	5.58
38	210	2321007	Glucose	10.82
39	210	3525098	Other Vitamins in tablet or injectable form	3.13
40	210	3526010	Anti inflammatory preparations (ketorolac trometh)	4.58
41	210	3649002	Capsules plastic	5.92
42	221	3626038	Nipples / soother	0.40
43	221	3627006	Component & parts rubber	0.98
44	222	3633009	Film plastic	6.31
45	222	3649005	Container plastic	2.34
46	222	3694005	Cabinet plastic	1.32
47	222	3698000	Electrical insulating fittings of plastics	1.83
48	231	3711601	Looking mirror	0.50
49	239	3732007	Tiles & bricks insulated ( non ceramic)	0.50
50	241	4121103	Sheets, hot rolled	4.85
51	241	4121104	Strip, hot rolled	4.84
52	242	4151403	Copper coils, refined	0.45
53	242	4153402	Aluminium circles alloyed	0.92
54	243	4111102	Cast iron	0.60
55	243	4153403	Aluminium circles not alloyed	1.45
56	259	3812102	Cabinet iron /steel	4.54
57	259	3870203	Fabricated metal products	8.07
58	259	4291104	Sanitary ware others of iron and steel	3.76
59	259	4295004	Rod, Wire Welding	7.31
60	259	4412701	Link forging	3.00
61	261	3870207	Oil coolers	0.61
62	261	4613200	Parts of electrical transformers, static converters and inductors	1.65
63	261	4654101	Connectors / plugs /sockets/holders-electric	2.78
64	264	4733003	Public address equipment	24.83
65	271	4621400	Boards, consoles, cabinets and other bases, equipped with electrical switching etc. apparatus, for electric control or the distribution of electricity, for a voltage exceeding 1000	12.38
66	272	4641001	Batteries	1.37
67	273	4632003	Cable, pvc insulated	5.40
68	273	4632004	Cable, rubber insulated	2.82
69	275	4481701	Electric heaters	5.05

SI No.	NIC 3 Digit	NPCMS	NPCMS Description	ITEM WEIGHT
70	279	4711001	Capacitor, metalized poly. film	8.85
71	281	4323002	Centrifugal air compressors	1.38
72	281	4323003	Compressors used in refrigerator	3.94
73	281	4324014	Valves, control	2.09
74	281	4391302	Air cooling unit	1.52
75	281	4423201	Electro mechanical tools for working in the hand	1.29
76	281	4912911	Bearing, wheel	1.60
77	282	4392102	Machinery for filling, closing, sealing, capsuling or labeling bottles, cans, boxes, bags or other containers; machinery for aerating beverages	3.11
78	282	4392103	Other packing or wrapping machinery	1.99
79	282	4419300	Poultry incubators and brooders	6.51
80	282	4451302	Flour mill machinery	3.49
81	292	4923100	Parts and accessories for the goods of subclass 49210	2.90
82	293	4315106	Parts of petrol engines for motor vehicles	31.07
83	293	4315400	Parts for the goods of subclass 43142, including regulators	11.82
84	309	4994100	Parts and accessories of motorcycles and side-cars	2.70
85	310	3812105	Metal/steel office furniture others	2.28
86	321	3824002	Jewellery of gold studded with precious stone	1.11
87	324	3854003	plastic toys	0.09
88	325	4818000	Medical, surgical, dental or veterinary furniture; barbers' chairs and similar chairs, having rotating as well as both reclining and elevating movements	0.69
89	325	4831103	Lens, ophthalmic	4.31
90	329	3891108	Pen body plastic	4.03
91	329	3899901	Candles decorative	1.36
92	351	1710008	Electricity	413.9
			<b>Grand Total</b>	<b>1000</b>

## CHAPTER-THREE

### A BRIEF ANALYSIS OF IIP

For the purpose of compiling the index, the industrial sector has been divided into manufacturing and electricity sectors with the weights of 586.1 and 413.9 respectively out of total weight 1000 with base year 2011-12. The manufacturing sector has further, been sub-divided into 23 major industrial groups at 2 digit level of NIC-2008.

#### **SALIENT FEATURES:**

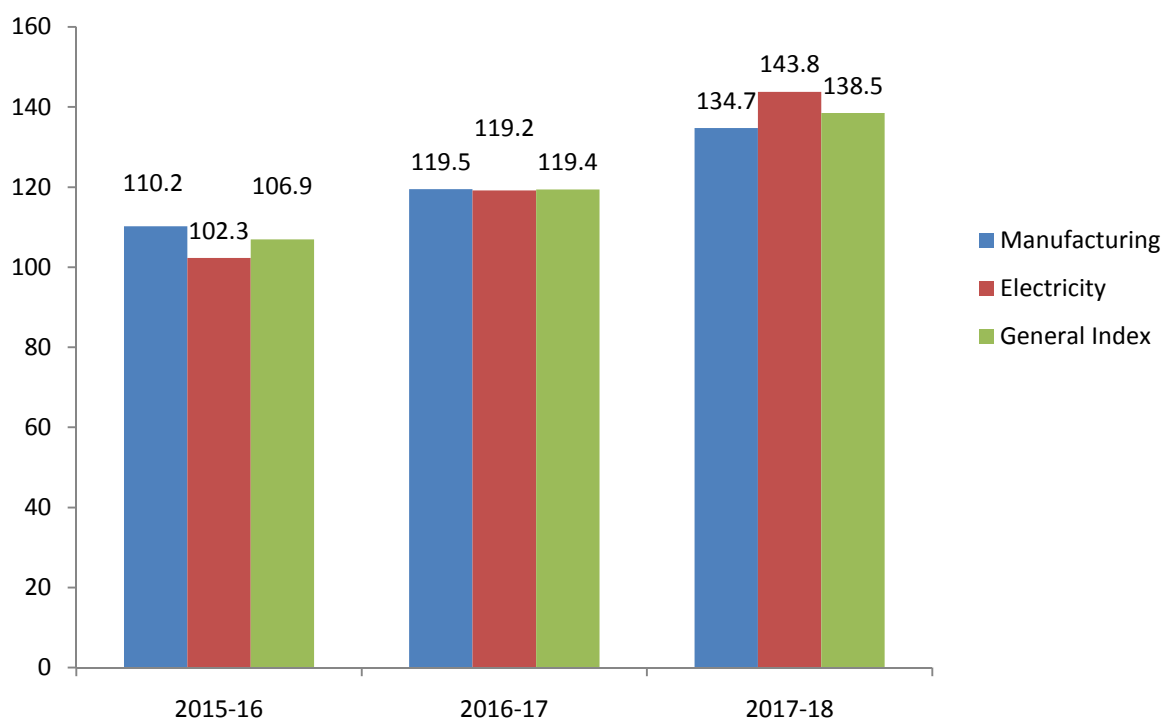
Average Annual Index of Industrial Production, 2017-18 has indicated an increase of 16% in IIP as compared to the previous year i.e. 2016-17. During the year 2016-17 IIP was estimated at 119.4 which increased to 138.5 in the year 2017-18. It is evident from the Statement 3.1 that both the manufacturing and electricity sector have witnessed a considerable increase in IIP by 12.76 and 20.64 per cent respectively. In the manufacturing sector IIP has increased from 119.5 in 2016-17 to 134.8 in 2017-18. On the other hand, electricity sector has shown an increase in IIP from 119.2 to 143.8. Detail of index by sectors for the year 2017-18 is depicted in Statement 3.1.

As indicated above, General Index has considerably increased by 16 % from 119.4 in the year 2016-17 to 138.5 in the year 2017-18. Same trend has also been observed both in the manufacturing and electricity sectors. As evident from Statement- 3.2, out of 23 groups of manufacturing sector at NIC-2 digit level, 12 groups have shown increase in IIP in the year 2017-18 as compared to 2016-17. Among these 12 groups, 5 groups, namely, manufacture of food products (NIC 10), manufacture of Basic Metals (NIC 24), manufacture of chemicals and chemical products (NIC 20), manufacture of fabricated metal products, except machinery and equipment (NIC 25), manufacture of wearing apparel (NIC 14) were having the greater impact on the increase in overall IIP of manufacturing sector in the year 2017-18. On the contrary, 11 sectors at NIC 2-digit level have exhibited decline in IIP in the year 2017-18 as compared to 2016-17. Out of these 11 groups, 3 groups, namely, Printing and reproduction of recorded media (NIC 18) and manufacture of pharmaceutical, medicinal & botanical product (NIC 21) and 'Other manufacturing' (NIC 32) had the major negative contribution in IIP of manufacturing sector. Detail of month wise IIP for the last three years is shown in Statement 3.3.

**STATEMENT- 3.1: SECTOR- WISE INDEX OF INDUSTRIAL PRODUCTION (BASE YEAR 2011-12=100)**

Sector	Weight	Index of Industrial Production (IIP)		
		2015-16	2016-17	2017-18
Manufacturing	586.1	110.2	119.5	134.8
Electricity	413.9	102.3	119.2	143.8
General Index	1000	106.9	119.4	138.5

**G-3.1: INDEX OF INDUSTRIAL PRODUCTION BY MAJOR SECTORS  
BASE YEAR (2011-12)**



**STATEMENT 3.2: INDEX NUMBER AT 2 DIGIT LEVEL OF NIC 2008(BASE YEAR 2011-12)**

NIC 2 Digit	Description	weight	2015-16	2016-17	2017-18	Percentage change over the previous year	
						2016- 17	2017- 18
10	Manufacture of food products	143.18	114.53	106.15	175.19	-7.32	65.04
11	Manufacture of beverages	0.46	29.93	58.97	63.71	97.03	8.03
12	Manufacture of tobacco products	3.33	86.27	88.45	74.84	2.53	-15.39
13	Manufacture of textiles	13.74	118.32	148.16	155.22	25.22	4.77
14	Manufacture of wearing apparel	102.3	91.76	92.48	96.73	0.78	4.60
15	Manufacture of leather and related products	23.25	100.35	111.63	112.65	11.24	0.91
16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and painting materials	1.14	209.56	161.88	197.49	-22.75	22.00
17	Manufacture of paper and paper products	5.13	148.85	146.21	143.33	-1.77	-1.97
18	Printing and reproduction of recorded media (This division excludes publishing activities, see section J for publishing activities)	34.93	83.62	66.91	53.35	-19.98	-20.26
19	Manufacture of coke and refined petroleum products	0.57	81.92	58.01	59.86	-29.19	3.19
20	Manufacture of chemicals and chemical products	24.62	89.94	100.67	147.77	11.93	46.79
21	Manufacture of pharmaceuticals, medicinal chemical and botanical products	24.46	53.03	75.06	67.14	41.54	-10.56
22	Manufacture of rubber and plastics products	13.18	113.84	143.14	118.02	25.74	-17.55
23	Manufacture of other non-metallic mineral products	1.00	205.36	296.36	69.71	44.31	-76.48
24	Manufacture of Basic Metals	13.11	91.28	141.37	371.67	54.88	162.91
25	Manufacture of fabricated metal products, except machinery and equipment	26.69	90.82	87.96	121.95	-3.15	38.65
26	Manufacture of computer, electronic and optical products	29.87	101.91	102.1	111.29	0.19	9.00
27	Manufacture of electrical equipment	35.87	135.32	151.13	142.83	11.68	-5.49
28	Manufacture of machinery and equipment n.e.c.	26.92	88.3	83.53	96.17	-5.40	15.14
29	Manufacture of motor vehicles, trailers and semi-trailers	45.79	83.78	92.69	88.12	10.63	-4.93
30	Manufacture of other transport equipment	2.7	292.31	298.4	267.00	2.08	-10.52
31	Manufacture of furniture	2.28	1566.67	3164.48	1226.03	101.99	-61.26
32	Other manufacturing	11.58	280.63	299.07	215.02	6.57	-28.10
35	<b>Electricity</b>	413.9	102.31	119.24	143.80	16.55	20.60
	<b>Manufacturing</b>	586.10	<b>110.18</b>	<b>119.5</b>	<b>134.75</b>	8.46	12.76
	<b>General Index</b>	<b>1000</b>	<b>106.92</b>	<b>119.41</b>	<b>138.50</b>	11.68	15.98

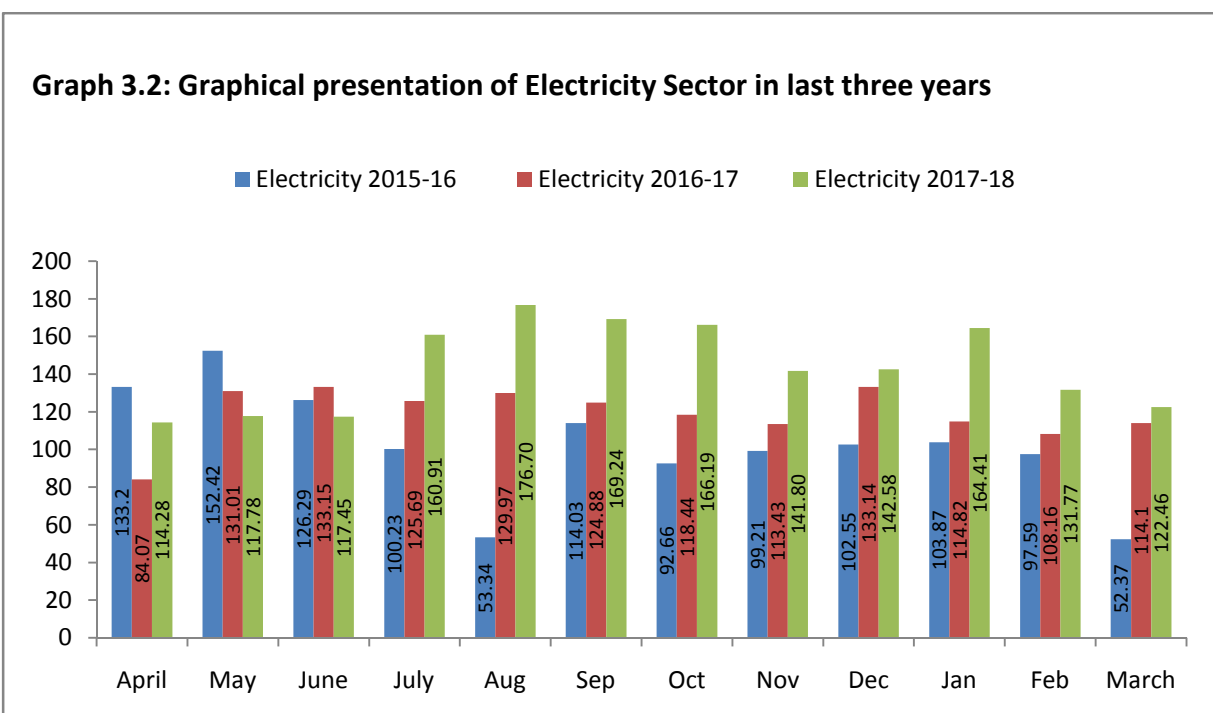


**STATEMENT 3.3: MONTHLY INDEX OF INDUSTRIAL PRODUCTION IN MAJOR SECTORS**

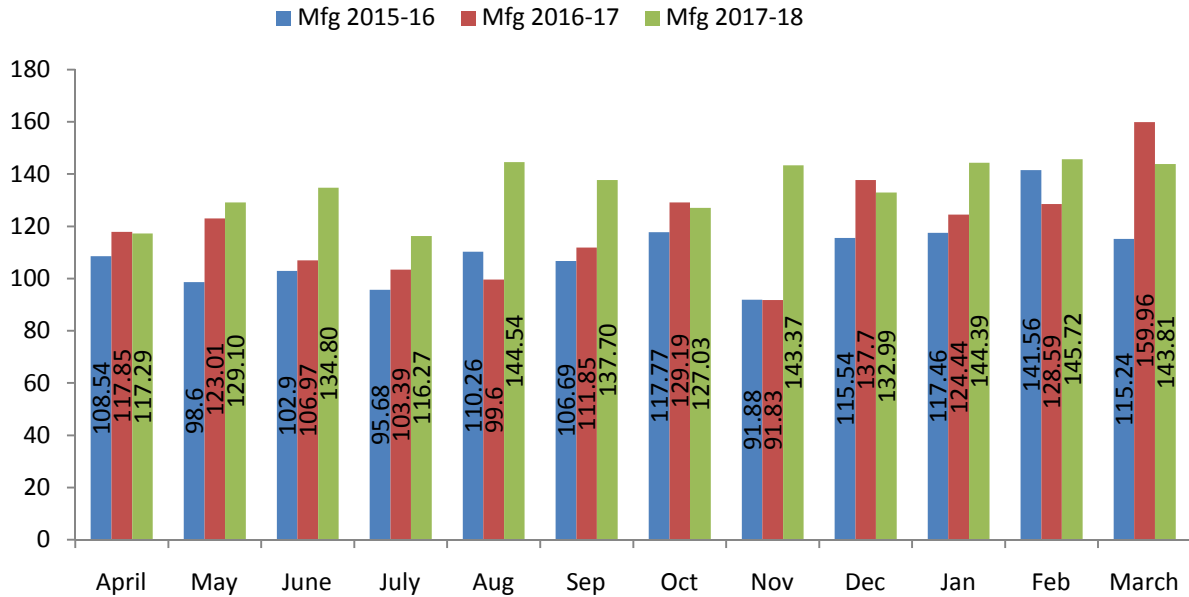
**(BASE YEAR 2011-12)**

Month	2015-16			2016-17			2017-18		
	Electricity	Mfg	General Index	Electricity	Mfg	General Index	Electricity	Mfg	General Index
April	133.20	108.54	118.75	84.07	117.85	103.87	114.28	117.29	116.04
May	152.42	98.6	120.88	131.01	123.01	126.32	117.78	129.10	124.41
June	126.29	102.9	112.58	133.15	106.97	117.8	117.45	134.80	127.62
July	100.23	95.68	97.56	125.69	103.39	112.62	160.91	116.27	134.75
Aug	53.34	110.26	86.7	129.97	99.6	112.17	176.70	144.54	157.85
Sep	114.03	106.69	109.73	124.88	111.85	117.24	169.24	137.70	150.75
Oct	92.66	117.77	107.37	118.44	129.19	124.74	166.19	127.03	143.24
Nov	99.21	91.88	94.91	113.43	91.83	100.77	141.80	143.37	142.72
Dec	102.55	115.54	110.16	133.14	137.7	135.82	142.58	132.99	136.96
Jan	103.87	117.46	111.83	114.82	124.44	120.46	164.41	144.39	152.68
Feb	97.59	141.56	123.36	108.16	128.59	120.14	131.77	145.72	139.95
March	52.37	115.24	89.22	114.1	159.96	140.98	122.46	143.81	134.97
Annual Average	<b>102.31</b>	<b>110.18</b>	<b>106.92</b>	<b>119.24</b>	<b>119.53</b>	<b>119.41</b>	<b>143.80</b>	<b>134.75</b>	<b>138.49</b>

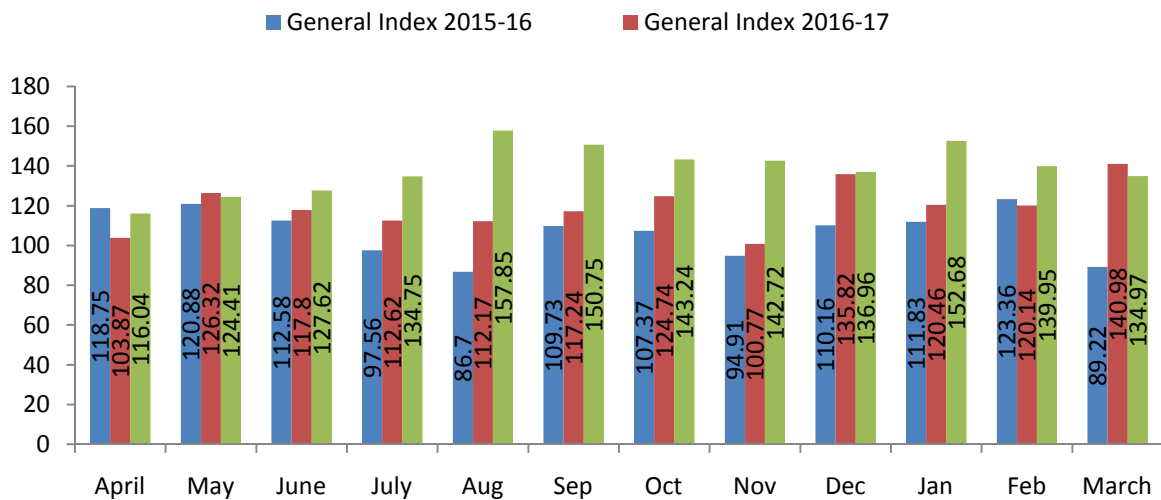
**Graph 3.2: Graphical presentation of Electricity Sector in last three years**



**Graph 3.3: Graphical presentation of Manufacturing Sector in last three years**



**Graph 3.4 : Graphical presentation of General Index in last three years**



## CHAPTER – FOUR

### USE BASED INDEX OF INDUSTRIAL PRODUCTION

Different industries have been classified on the basis of uses of items produced by these industries to capture the performance of different industrial groups. On the analogy of the use based classification adopted by Central Statistics Office, item basket of production has been classified into four main groups. These groups consist of Primary goods, Capital goods, Intermediate goods and Consumer goods. Consumer goods are further subdivided into Consumer durable goods and Consumer non-durable goods. Use based monthly index of Industrial Production provides the information regarding the performance of above mentioned industries which are classified according to their product usage.

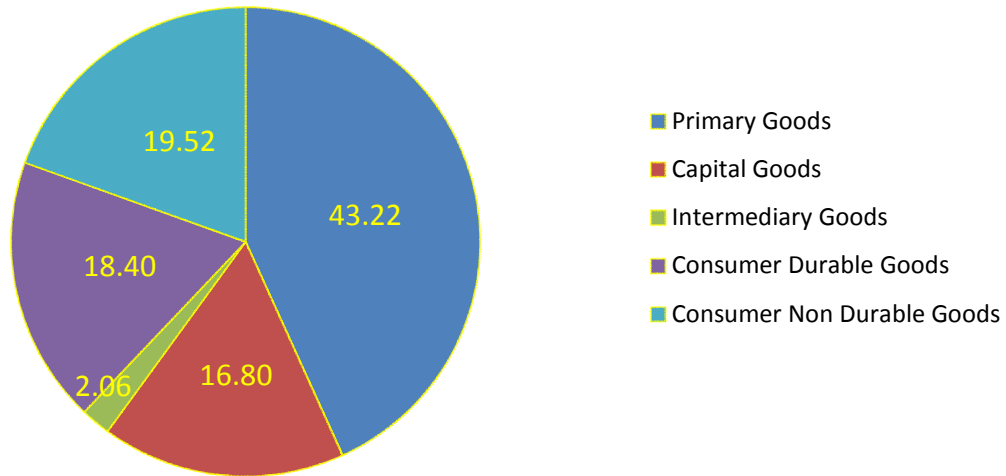
Weighting diagram for use based categories reveals that Primary industry is predominant in the industrial production of NCT of Delhi and covers 43.22% of total production, followed by consumer goods of 37.92% with a share of 19.52% for consumer non durable goods and 18.40% for consumer durable goods. Share of Capital goods and Intermediate goods industries are 16.80% and 2.06 % respectively when weights are allocated on the basis of their productions in the base year.

Performance of industrial groups as per Use Based Classification for the year 2017-18 has been presented in Statement 4.1. It is evident that in the year 2017-18, only three groups, namely, Primary Goods, Capital Goods and Consumer Non-durable Goods have exhibited a considerable growth in production index by 22 % , 13.7% and 43.8% respectively from the previous year, i.e. 2016-17. On the other hand, Consumer Durable Goods and Intermediary Goods are showing decrease in production index by 14.5% and 7.1% respectively in the year 2017-18. Detail of index of Industrial Production with the Use-Based classification is depicted in Statement 4.1 for the consecutive three years starting from 2015-16.

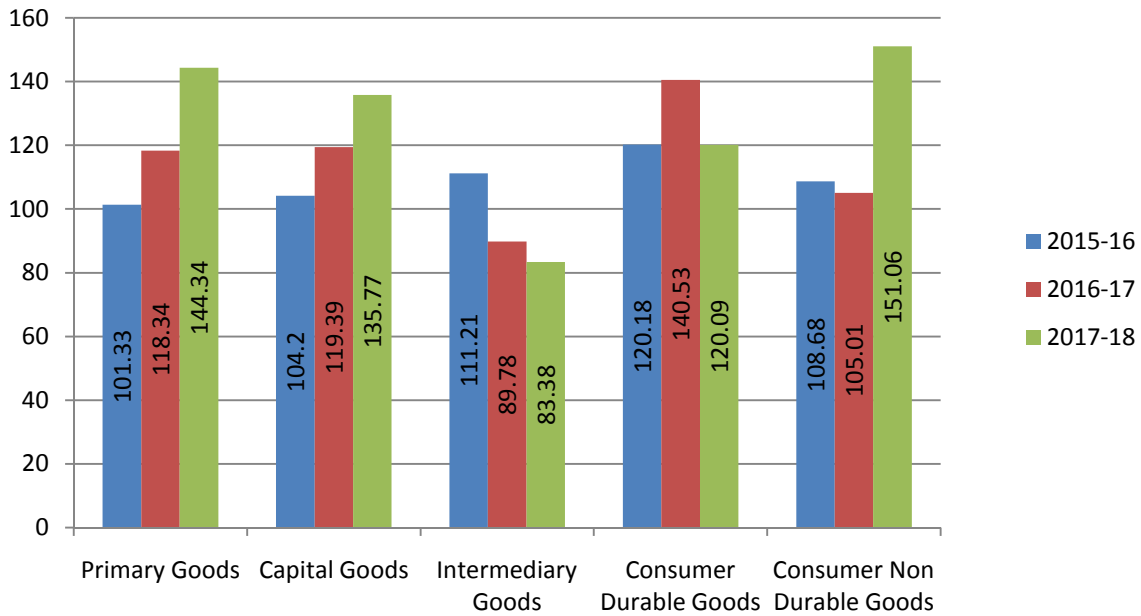
Weighting diagrams and annual average indices have also been depicted through graphical representation in the following pages.

STATEMENT 4.1: INDEX OF INDUSTRIAL PRODUCTION WITH THE USE BASED CLASIFICATION OF ITEMS OF PRODUCTION				
Category	Weight	2015-16	2016-17	2017-18
Primary Goods	432.21	101.33	118.34	144.34
Capital Goods	167.98	104.2	119.39	135.77
Intermediary Goods	20.59	111.21	89.78	83.38
Consumer Durable Goods	184.05	120.18	140.53	120.09
Consumer Non Durable Goods	195.17	108.68	105.01	151.06
<b>OVERALL</b>	<b>1000</b>	<b>106.92</b>	<b>119.41</b>	<b>138.50</b>

**Graph 4.1 Weigting diagram as per Use-Based Classification**



**G-4.2: Graphical Representation of IIP as per Use Based Classification**



Detail of monthly IIP as per the use based classification of industries, are depicted in Table- A-2.

# ANNEXURE

**TABLE A-1: INDEX NUMBER AT THE LEVEL OF 3- DIGIT OF NIC 2008 FOR THE YEAR 2017-18 (BASE YEAR 2011-12)**

NIC 3	Description	Weight	Average IIP
101	Processing and preserving of meat	12.91	134.10
103	Processing and preserving of fruit and vegetables	4.93	155.77
106	Manufacture of grain mill products, starches and starch products	63.06	117.67
107	Manufacture of other food products	62.27	243.50
110	Manufacture of beverages	0.46	63.71
120	Manufacture of tobacco products	3.33	74.84
131	Spinning, weaving and finishing of textiles	0.45	87.89
139	Manufacture of other textiles	13.29	157.51
141	Manufacture of wearing apparel, except fur apparel	101.87	96.80
143	Manufacture of knitted and crocheted apparel	0.42	81.38
152	Manufacture of footwear	23.25	112.65
162	Manufacture of products of wood, cork, straw and plaiting materials	1.14	197.49
170	Manufacture of paper and paper products	5.13	143.33
181	Printing and service activities related to printing	34.93	53.35
192	Manufacture of refined petroleum products	0.57	59.86
201	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms	17.74	159.73
202	Manufacture of other chemical products	6.88	116.96
210	Manufacture of pharmaceuticals, medicinal chemical and botanical products	24.46	67.14
221	Manufacture of rubber products	1.38	79.29
222	Manufacture of plastics products	11.8	122.55
231	Manufacture of glass and glass products	0.5	100.18
239	Manufacture of non-metallic mineral products n.e.c.	0.5	38.86
241	Manufacture of basic iron and steel	9.69	452.70
242	Manufacture of basic precious and other non-ferrous metals	1.37	233.06
243	Casting of metals	2.05	80.60
259	Manufacture of other fabricated metal products; metalworking service activities	26.69	121.95
261	Manufacture of electronic components	5.04	65.55
264	Manufacture of consumer electronics	24.83	120.58
271	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus	12.38	139.97
272	Manufacture of batteries and accumulators	1.37	91.28
273	Manufacture of wiring and wiring devices	8.22	100.32
275	Manufacture of domestic appliances	5.05	81.15
279	Manufacture of other electrical equipment	8.85	229.45
281	Manufacture of general purpose machinery	11.83	102.91
282	Manufacture of special-purpose machinery	15.09	90.89
292	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers	2.9	49.50
293	Manufacture of parts and accessories for motor vehicles	42.89	90.73
309	Manufacture of transport equipment n.e.c.	2.7	267.00
310	Manufacture of furniture	2.28	1226.03
321	Manufacture of jewellery, bijouterie and related articles	1.11	121.50
324	Manufacture of games and toys	0.09	327.74
325	Manufacture of medical and dental instruments and supplies	5	324.48
329	Other manufacturing n.e.c.	5.38	130.73
351	Electric power generation, transmission and distribution	413.9	143.80
	Overall	1000	138.50

TABLE A-2: USE BASED INDEX OF INDUSTRIAL PRODUCTION FOR THE YEAR 2017-18.

Table 4.1: Used Based Index of Industrial Production for the Financial Year 2017-18														
Category	weight	Average	April	May	June	July	August	Sep	October	Nov	Dec	Jan	Feb	March
Primary Goods	432.20	144.34	115.21	118.82	118.84	161.16	176.17	169.39	165.50	141.12	143.37	167.84	133.22	121.44
Capital Goods	167.98	135.77	151.20	115.09	127.79	120.22	130.19	138.19	134.07	159.61	139.68	152.91	137.34	122.94
Intermediary Goods	20.59	83.38	68.98	66.39	78.97	82.69	65.95	68.97	80.25	94.30	73.38	91.07	115.99	113.65
Consumer Durable Goods	184.04	120.09	124.08	182.55	173.00	95.14	114.55	103.81	83.67	86.34	103.77	124.27	123.13	126.81
Consumer Non Durable Goods	195.16	151.06	85.01	96.13	109.25	131.60	191.63	173.18	164.65	189.98	158.43	152.19	175.47	185.25