

MONTHLY SURVEY OF INDUSTRIAL PRODUCTION & EMPLOYMENT IN SINDH

January, 2020

Industries Section, BOS



**BUREAU OF STATISTICS
PLANNING & DEVELOPMENT DEPARTMENT
GOVERNMENT OF SINDH**

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Sindh Monthly Survey of Industrial Production & Employment (MIPE)

January, 2020



Bureau of Statistics
Planning & Development Department
Government of Sindh

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Preface

Monthly Survey of Industrial Production and Employment (MIPE) is being conducted/ published by Sindh Bureau of Statistics on regular basis since 1970s. This report provides important statistics in respect of industrial production & employment of large Scale Manufacturing (LSM) industries in Sindh.

This report contains information on 61 items manufactured in 22 selected large scale industrial sectors covering 535 industrial establishments (selection on the basis of CMI 2005-06). These industries account for 69.6% of total value added of large scale manufacturing sector in Sindh.

MIPE Report provides information regarding General Index and Quantum Index of Manufacturing (QIM) to base period 2005-06, and analytical analysis on the current status of production and employment in manufacturing sector.

All the efforts are made to improve the industrial statistics and hope this report would prove useful to policy makers, planners, researchers and other data users. Suggestion/ recommendations from the users will always be welcomed and appreciated.

Pervaiz Ahmed Chandio
Director General
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Government of Sindh

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1. Introduction

Industrial Statistical is very essential tool to track industrial growth and implementation of policies in right directions. This sector has great importance for economic development of country. The composition of Pakistan's economy, Agriculture Sector is 20%, Industries Sector is 21% and Services Sector is 59% (PBS).

From the share of industrial sector 13.6% are manufacturing and more specifically 11% is Large Scale Manufacturing (LSM) Sector. The role of Sindh province in the Large Scale Manufacturing is very vital. According to Karachi Chamber of Commerce and Industry (KCCI), Karachi is the largest metropolitan city of Pakistan and produces 15% with an annual Gross Domestic Product (GDP). From Sindh Business Register (SBR) of Manufacturing Industries recently developed by Sindh Bureau of Statistics, Planning & Development Department around 67% establishments/factories are located in Karachi and 33% are in other districts to Sindh.

It is historical fact that countries with strong industrial sector have showed more economic growth and development industrial sector have shown improvement in national income and promoted living standard of population. A fresh industrial policy of Pakistan is also promotes employment, value-added exports and import substitution

For the timely and quality industrial statistics Bureau of Statistics, Sindh Planning & Development Department conducts Monthly Survey of Industrial Production and Employment (MIPE). This survey collects information on 61 items manufactured in 22 selected large scale Industrial sectors from 535 establishments/ factories in Sindh. The sample of 535 establishments / factories was drawn from the last Census of Manufacturing Industries (CMI), 2005-06. These industries account for 69.6% of total value added in terms of production during 2005-06, Census of Manufacturing Industries. In addition to collection, compilation, tabulation and processing of manufacturing data, Bureau of Statistics also computes monthly Quantum Index of Manufacturing by using the weights of production. The quantum index is an essential indicator to gauge to aggregate monthly production of province.

2. Questionnaire/ Proforma

A questionnaire/ Proforma is a research instrument consisting of a series of questions and other prompts for the purpose of gathering information from respondents. A pre-tested questionnaire is used for the data collection of industrial inputs related to employment and production, attached at **Annex-A**.

3. Methodology

The basic method of data collection for Sindh MIPE is the posting/ mailing of MIPE Questionnaires. More than 70% monthly returns are received to this Bureau through mail from industrial units. The non-responding or remaining establishments are visited by the officers/ officials of this Bureau, besides this the method of emailing, fax and telephonic approach are also used for collection of monthly returns and increase the response rate.

4. Editing

All the received returns are scrutinized for accuracy and consistency with previous data by the Industries Section of this Bureau. As per *Unit Calculation Sheet* different units of similar products are converted into the reporting units. In case of huge discrepancy between current and previous returns the factory management is approached to rectify that figures. In the absence establishment's return or non-availability of concerned person the average production of last month or the last month information is repeated for equivalence.

5. Quantum Index of Manufacturing (QIM)

A quantum index is an index based on quantity units of goods such as number or weight. Sindh bureau of Statistics is computing Index on Industrial Production using 2005-06 as base year. Index Series is generated by using Laspayer's Index.

$$QIM = \frac{\sum_{i=1}^n \frac{q_{im}}{q_{i0}} w_i}{\sum_{i=1}^n w_i} \times 100$$

Equation 1 Laspayer's Index

q_{im} = Production of i^{th} item during the current month

q_{i0} = Average Production of the same i^{th} item in the base period (2005-06)

w_i = Weight of the i^{th} item in the base period (2005-06)

$\sum_{i=1}^n w_i$ = Total Weight of 22 large scale industrial sectors covering 535 establishments in the base period with respect to the total value added of all the industries covered in CMI in the base year 2005-06.

6. Report Analysis

Summary findings on the basis of Index of Industrial Production are as follows:

- Overall Production in January, 2020 is significantly increased by 13.89% as compared to last month(i.e. December, 2019)
- Overall Production in January, 2020 is significantly decreased by 17.22% as compared to corresponding month of last year (i.e. January, 2019)
- Cumulative production from July to January (2019-20) is slightly increased around 1% as the cumulative production from July to January(2018-19)
- Employment during January, 2020 is decreased by 1.21% as compared to previous month (i.e. December, 2019)
- Employment during January, 2020 is 5.15% higher than January, 2019.
- Average monthly employment during the period of July-January (2019-20) is 5.26% increased as compared to the corresponding period of July-January (2018-19)

Table 1: Series of Quantum Index of Manufacturing (QIM) at (2005-06=100)

Month/ Year	2015-16	2016-17	2017-18	2018-19	2019-20
July	255.7	284.0	327.0	290.8	259.7
August	266.0	287.7	336.4	265.5	220.9
September	274.2	281.5	330.9	311.3	266.7
October	247.0	291.4	355.7	287.0	277.0
November	283.7	317.1	343.2	273.3	280.3
December	261.7	302.8	341.5	265.2	223.7
January	297.4	286.1	374.0	321.3	254.8
February	293.2	283.3	324.5	309.0	
March	253.9	275.6	341.4	279.7	
April	250.6	276.8	338.5	258.2	
May	254.4	283.9	311.3	248.2	
June	259.0	258.1	307.4	257.6	
Average (Geometric Mean)	265.9	285.4	335.5	279.7	

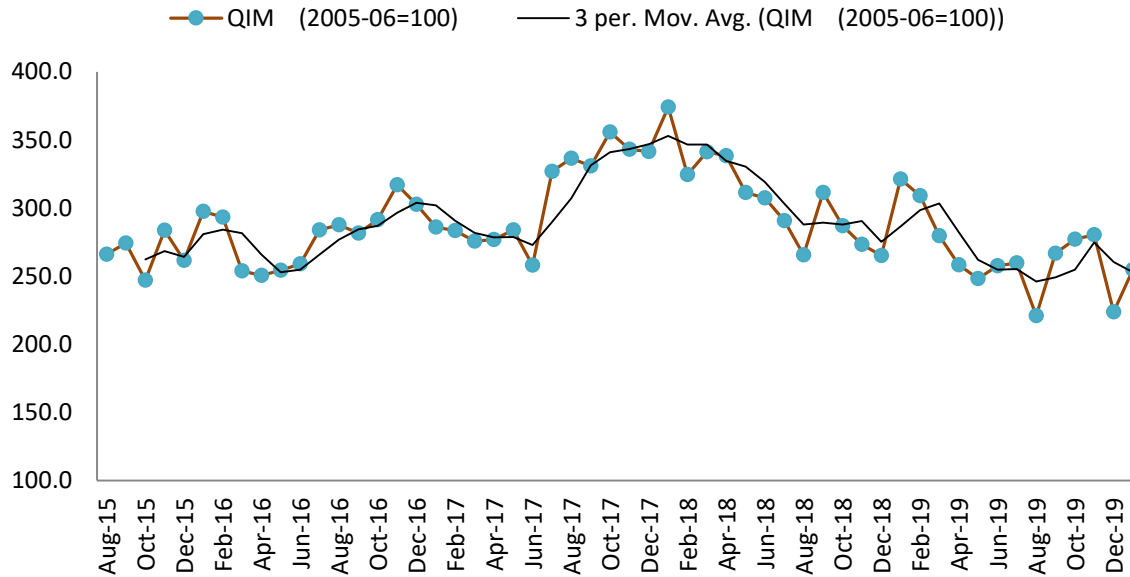


Figure 1: Trend of Quantum Index of Large Scale Manufacturing Industries at base year 2005-06

During the current month increasing trend observed in the manufacturing production index due to seasonal production of sugar and beverages. The current month's index is approximately same as compare to corresponding month of last year (i.e. January, 2019).



Figure 2: Trend of Average Monthly Employment in Large Scale Manufacturing Industries

Last three consecutive months shown decline in employment trend which may because of decline in production in previous months, however positive growth observed in Large Scale Manufacturing Sector fort this month. The fitted quadratic polynomial model with $R^2 = 96\%$ is predicting slight decline in LSM Employment in near future.

7. Data Tables

Table 2: Production of Selected Items Pertaining to Large-Scale Manufacturing Sector, January-2020 Vs December-2019

Sr. No.	Industrial Sector/ Items	No. of Industrial Units as per CMI 2005-06	WEIGHT (2005-06)	Unit of Quantity	Production		Index of Production in Jan:2020 with Dec: 2019
					Jan:2020	Dec:2019	
1.	<u>VEGETABLE GHEE</u>	35	1.61				
i.	VEGETABLE GHEE		1.11	M.Tons	33,527	33,760	99.3
ii.	COOKING OIL		0.50	M.Tons	16,654	17,290	96.3
2.	<u>SUGAR</u>	26	4.32				
i.	SUGAR		4.32	M.Tons	630,190	50,056	1259.0
3.	<u>TEA</u>	7	1.23				
i.	TEA		1.23	M.Tons	3,998	4,275	93.5
4.	<u>BEVERAGES</u>	13	0.85				
i.	BEVERAGES		0.85	"000" NOs.	85,265	84,722	100.6
ii.	WATER*		0.85	"000" NOs.	16,373	16,373	100.0
5.	<u>COTTON TEXTILE</u>	133	13.65				
i.	COTTON YARN		9.10	M.Tons	20,184	16,542	122.0
ii.	COTTON FABRICS		4.13	"000" Sq. M	53	12,200	0.4
iii.	M.M.YARN		0.42	M.Tons	801	487	164.5
6.	<u>LEATHER TANNING</u>	30	0.29				
i.	UPPER LEATHER		0.07	"000" Sq. M.	1,269	1,239	102.4
ii.	WET BLUE TANNED		0.22	"000" Sq. M.	110	108	101.9
7.	<u>COTTON GINNING & PRESSING</u>	85	3.30				
i.	C.G.& PRESSING		3.30	Bales	181,685	513,865	35.4
8.	<u>PAPER & PAPER BOARD</u>	6	0.01				
i.	PRINTING PAPER		0.01	M.Tons	413	408	101.2
ii.	WRITTEN PAPER		0.01	M.Tons	333	319	104.4
iii.	PACKING & OTHER PAPER		0.01	M.Tons	1,630	1,840	88.6
iv.	ADVERTISING MATERIAL*		0.01	M.Tons	25	30	83.3
9.	<u>PHARMACEUTICALS</u>	78	6.37				
i.	TABLETS		1.67	"000" NOs.	2,061,597	2,067,290	99.7
ii.	LIQUIDS/SYRUPS		1.97	"000" Liters.	7,212	6,976	103.4
iii.	CAPSULES		1.36	"000" NOs.	247,926	260,826	95.1
iv.	INJECTIONS		1.22	"000" NOs.	94,445	100,721	93.8
v.	OINTMENT		0.15	KGs.	227,149	231,557	98.1
10.	<u>ACID, ALKALIES & SALT</u>	3	0.04				
i.	SULPHURIC ACID		0.04	M.Tons	1,626	2,601	62.5
11.	<u>FERTILIZER</u>	3	3.50				
i.	UREA		3.50	M.Tons	193,766	238,825	81.1
ii.	AMONIA		3.50	M.Tons	5,411	40,666	13.3
iii.	DAP*		3.50	M.Tons	38,754	72,759	53.3
12.	<u>PAINTS & VARNISH</u>	9	0.32				
i.	PAINTS		0.32	M.Tons	122	124	98.4
ii.	VARNISH		0.32	"000" Liters.	411	496	82.9

Sr. No.	Industrial Sector/ Items	No. of Industrial Units as per CMI 2005-06	WEIGHT (2005-06)	Unit of Quantity	Production		Index of Production in Jan:2020 with Dec: 2019
					Jan:2020	Dec:2019	
13.	<u>SOAP</u>	38	1.66				
i.	WASHING SOAP		1.66	M.Tons	4,595	4,982	92.2
ii.	DETERGENT POWDER		1.66	M.Tons	13,705	14,663	93.5
iii.	TOILET SOAP		1.66	M.Tons	2,028	1,906	106.4
iv.	TOOTH PASTE*		1.66	M.Tons	802	777	103.2
14.	<u>PETROLEUM PRODUCTS</u>	2	9.32				
i.	L.P.G		9.32	"000" Liters.	1,301	205	634.8
ii.	NAPHTHA SOLVENT		9.32	"000" Liters.	10,125	10,356	97.8
iii.	KEROSENE OIL		9.32	"000" Liters.	702	260	270.0
iv.	H.S.D		9.32	"000" Liters.	74,033	78,313	94.5
v.	FURNACE OIL		9.32	"000" Liters.	40,924	7,339	557.6
vi.	ASPHALT 80-100		9.32	"000" Liters.	3,452	2,735	126.2
vii.	ASPHALT 60-70		9.32	"000" Liters.	-	-	
viii.	MOTOR SPRIT		9.32	"000" Liters.	406	406	100.0
ix.	JET FUEL		9.32	"000" Liters.	5,098	9,185	55.5
x.	LUBRICATING OIL		9.32	"000" Liters.	-	-	
xi.	OTHERS*		0.00	"000" Liters.	26,087	63,542	41.1
15.	<u>TYRES & TUBES</u>	4	0.41				
i.	MOTOR TYRE		0.41	Nos.	210,810	219,482	96.0
ii.	MOTOR TUBE		0.41	Nos.	51,446	38,714	132.9
16.	<u>CEMENT</u>	11	3.86				
i.	CEMENT		3.86	M.Tons	138,280	152,204	90.9
17.	<u>M.S.PRODUCTS</u>	28	4.88				
i.	M.S PRODUCTS		4.88	M.Tons	4,491	4,493	100.0
18.	<u>SAFETY RAZOR BLADE</u>	1	0.40				
i.	SAFETY RAZOR BLAD		0.04	"000" NOs.	58,404	54,790	106.6
19.	<u>SEWING MACHINES</u>	3	0.25				
i.	SEWING MACHINES		0.25	Nos.	2,700	2,770	97.5
20.	<u>ELEC. APPLIANCES</u>	3	2.21				
i.	REFRIGERATORS		0.11	Nos.	44,613	39,959	111.6
ii.	AIR-CONDITIONERS		0.60	Nos.	11,025	2,619	421.0
iii.	DEEP FREEZERS		0.50	Nos.	290	290	100.0
iv.	WASHING MACHINES		0.50	Nos.	28,540	25,780	110.7
v.	MICROWAVE OVEN*		0.50	Nos.	39,274	32,063	122.5
21.	<u>AUTOMOBILE</u>	17	11.15				
i.	TRUCKS		2.71	Nos.	321	267	120.2
ii.	BUSES		0.77	Nos.	38	55	69.1
iii.	LCV'S		2.50	Nos.	761	529	143.9
iv.	MOTOR CYCLES		2.06	Nos.	138,253	131,398	105.2
v.	TRACTORS		0.25	Nos.	683	774	88.2
vi.	CARS		0.50	Nos.	11,475	8,373	137.0
vii.	VANS & JEEPS*		1.18	Nos.	386	201	192.0
viii.	THREE WHEELERS*		1.18	Nos.	1,687	3,780	44.6
Grand Total		535	69.63				

*New items are reporting from selected companies added since July (2019-20)

Table 3: Production of Selected Items Pertaining to Large-Scale Manufacturing Sector, January-2020VsJanuary-2019

Sr. No.	Industrial Sector/ Items	No. of Industrial Units as per CMI 2005-06	WEIGHT (2005-06)	Unit of Quantity	Production		Index of Production in Jan:2020 with Jan:2019
					Jan:2020	Jan:2019	
1.	<u>VEGETABLE GHEE</u>	35	1.61				
i.	VEGETABLE GHEE		1.11	M.Tons	33,527	34,837	96.2
ii.	COOKING OIL		0.50	M.Tons	16,654	17,767	93.7
2.	<u>SUGAR</u>	26	4.32				
i.	SUGAR		4.32	M.Tons	630,190	609,110	103.5
3.	<u>TEA</u>	7	1.23				
i.	TEA		1.23	M.Tons	3,998	8,928	44.8
4.	<u>BEVERAGES</u>	13	0.85				
i.	BEVERAGES		0.85	"000" NOs.	85,265	69,711	122.3
ii.	WATER*		0.85	"000" NOs.	16,373		
5.	<u>COTTON TEXTILE</u>	133	13.65				
i.	COTTON YARN		9.10	M.Tons	20,184	24,195	83.4
ii.	COTTON FABRICS		4.13	"000" Sq. M	53	12,530	0.4
iii.	M.M.YARN		0.42	M.Tons	801	1,544	51.9
6.	<u>LEATHER TANNING</u>	30	0.29				
i.	UPPER LEATHER		0.07	"000" Sq. M.	1,269	1,231	103.1
ii.	WET BLUE TANNED		0.22	"000" Sq. M.	110	120	91.7
7.	<u>COTTON GINNING & PRESSING</u>	85	3.30				
i.	C.G.& PRESSING		3.30	Bales	181,685	305,070	59.6
8.	<u>PAPER & PAPER BOARD</u>	6	0.01				
i.	PRINTING PAPER		0.01	M.Tons	413	268	154.1
ii.	WRITTEN PAPER		0.01	M.Tons	333	308	108.1
iii.	PACKING & OTHER PAPER		0.01	M.Tons	1,630	2,031	80.3
iv.	ADVERTISING MATERIAL*		0.01	M.Tons	25		
9.	<u>PHARMACEUTICALS</u>	78	6.37				
i.	TABLETS		1.67	"000" NOs.	2,061,597	2,034,807	101.3
ii.	LIQUIDS/SYRUPS		1.97	"000" Liters.	7,212	7,606	94.8
iii.	CAPSULES		1.36	"000" NOs.	247,926	348,952	71.0
iv.	INJECTIONS		1.22	"000" NOs.	94,445	99,479	94.9
v.	OINTMENT		0.15	KGs.	227,149	205,424	110.6
10.	<u>ACID, ALKALIES & SALT</u>	3	0.04				
i.	SULPHURIC ACID		0.04	M.Tons	1,626	2,698	60.3
11.	<u>FERTILIZER</u>	3	3.50				
i.	UREA		3.50	M.Tons	193,766	167,788	115.5
ii.	AMONIA		3.50	M.Tons	5,411	6,189	87.4
iii.	DAP*		3.50	M.Tons	38,754		
12.	<u>PAINTS & VARNISH</u>	9	0.32				
i.	PAINTS		0.32	M.Tons	122	115	106.1
ii.	VARNISH		0.32	"000" Liters.	411	300	137.0
13.	<u>SOAP</u>	38	1.66				
i.	WASHING SOAP		1.66	M.Tons	4,595	4,801	95.7
ii.	DETERGENT POWDER		1.66	M.Tons	13,705	14,801	92.6
iii.	TOILET SOAP		1.66	M.Tons	2,028	1,203	168.6

Sr. No.	Industrial Sector/ Items	No. of Industrial Units as per CMI 2005-06	WEIGHT (2005-06)	Unit of Quantity	Production		Index of Production in Jan:2020 with Jan:2019
					Jan:2020	Jan:2019	
iv.	TOOTH PASTE*		1.66	M.Tons	802		
14.	<u>PETROLEUM PRODUCTS</u>	2	9.32				
i.	L.P.G		9.32	"000" Liters.	1,301	2,982	43.6
ii.	NAPHTHA SOLVENT		9.32	"000" Liters.	10,125	27,321	37.1
iii.	KEROSENE OIL		9.32	"000" Liters.	702	1,290	54.4
iv.	H.S.D		9.32	"000" Liters.	74,033	110,339	67.1
v.	FURNACE OIL		9.32	"000" Liters.	40,924	75,184	54.4
vi.	ASPHALT 80-100		9.32	"000" Liters.	3,452	11,520	30.0
vii.	ASPHALT 60-70		9.32	"000" Liters.	-	-	
viii.	MOTOR SPRIT		9.32	"000" Liters.	406	20,070	2.0
ix.	JET FUEL		9.32	"000" Liters.	5,098	12,545	40.6
x.	LUBRICATING OIL		9.32	"000" Liters.	-	-	
xi.	OTHERS*		0.00	"000" Liters.	26,087	-	
15.	<u>TYRES & TUBES</u>	4	0.41				
i.	MOTOR TYRE		0.41	Nos.	210,810	171,636	122.8
ii.	MOTOR TUBE		0.41	Nos.	51,446	106,551	48.3
16.	<u>CEMENT</u>	11	3.86				
i.	CEMENT		3.86	M.Tons	138,280	109,309	126.5
17.	<u>M.S.PRODUCTS</u>	28	4.88				
i.	M.S PRODUCTS		4.88	M.Tons	4,491	4,706	95.4
18.	<u>SAFETY RAZOR BLADE</u>	1	0.40				
i.	SAFETY RAZOR BLAD		0.04	"000" NOs.	58,404	75,684	77.2
19.	<u>SEWING MACHINES</u>	3	0.25				
i.	SEWING MACHINES		0.25	Nos.	2,700	3,480	77.6
20.	<u>ELEC. APPLIANCES</u>	3	2.21				
i.	REFRIGERATORS		0.11	Nos.	44,613	59,622	74.8
ii.	AIR-CONDITIONERS		0.60	Nos.	11,025	18,291	60.3
iii.	DEEP FREEZERS		0.50	Nos.	290	515	56.3
iv.	WASHING MACHINES		0.50	Nos.	28,540	18,089	157.8
v.	MICROWAVE OVEN*		0.50	Nos.	39,274		
21.	<u>AUTOMOBILE</u>	17	11.15				
i.	TRUCKS		2.71	Nos.	321	504	63.7
ii.	BUSES		0.77	Nos.	38	61	62.3
iii.	LCV'S		2.50	Nos.	761	2,974	25.6
iv.	MOTOR CYCLES		2.06	Nos.	138,253	142,831	96.8
v.	TRACTORS		0.25	Nos.	683	1,675	40.8
vi.	CARS		0.50	Nos.	11,475	20,683	55.5
vii.	VANS & JEEPS*		1.18	Nos.	386		
viii.	THREE WHEELERS*		1.18	Nos.	1,687		
Grand Total		535	69.63				

*New items are reporting from selected companies added since July (2019-20)

Table 4: Cumulative Production of Selected Items Pertaining to Large-Scale Manufacturing Sector, 2019-20 (Jul to Jan) Vs 2018-19 (Jul to Jan)

Sr. No.	Industrial Sector/ Items	No. of Industrial Units as per CMI 2005-06	WEIGHT (2005-06)	Unit of Quantity	Production		Index of Production in 2019-20 (Jul-Jan) with 2018-19 (Jul-Jan)
					2019-20 (Jul-Jan)	2018-19 (Jul-Jan)	
1.	<u>VEGETABLE GHEE</u>	35	1.61				
i.	VEGETABLE GHEE		1.11	M.Tons	239,437	238,847	100.2
ii.	COOKING OIL		0.50	M.Tons	107,441	111,561	96.3
2.	<u>SUGAR</u>	26	4.32				
i.	SUGAR		4.32	M.Tons	697,930	801,822	87.0
3.	<u>TEA</u>	7	1.23				
i.	TEA		1.23	M.Tons	31,479	50,323	62.6
4.	<u>BEVERAGES</u>	13	0.85				
i.	BEVERAGES		0.85	"000" NOs.	574,278	735,631	78.1
ii.	WATER*		0.85	"000" NOs.	108,541		
5.	<u>COTTON TEXTILE</u>	133	13.65				
i.	COTTON YARN		9.10	M.Tons	129,032	145,760	88.5
ii.	COTTON FABRICS		4.13	"000" Sq. M	61,082	90,193	67.7
iii.	M.M.YARN		0.42	M.Tons	6,832	16,726	40.8
6.	<u>LEATHER TANNING</u>	30	0.29				
i.	UPPER LEATHER		0.07	"000" Sq. M.	8,387	8,195	102.3
ii.	WET BLUE TANNED		0.22	"000" Sq. M.	745	718	103.8
7.	<u>COTTON GINNING & PRESSING</u>	85	3.30				
i.	C.G.& PRESSING		3.30	Bales	3,451,245	4,111,447	83.9
8.	<u>PAPER & PAPER BOARD</u>	6	0.01				
i.	PRINTING PAPER		0.01	M.Tons	2,671	2,190	121.9
ii.	WRITTEN PAPER		0.01	M.Tons	2,032	2,129	95.5
iii.	PACKING & OTHER PAPER		0.01	M.Tons	11,443	12,781	89.5
iv.	ADVERTISING MATERIAL*		0.01	M.Tons	175		
9.	<u>PHARMACEUTICALS</u>	78	6.37				
i.	TABLETS		1.67	"000" NOs.	14,228,438	14,452,332	98.5
ii.	LIQUIDS/SYRUPS		1.97	"000" Liters.	43,473	52,563	82.7
iii.	CAPSULS		1.36	"000" NOs.	1,822,509	1,642,080	111.0
iv.	INJECTIONS		1.22	"000" NOs.	603,131	599,269	100.6
v.	OINTMENT		0.15	KGs.	1,537,933	1,606,057	95.8
10.	<u>ACID, ALKALIES & SALT</u>	3	0.04				
i.	SULPHURIC ACID		0.04	M.Tons	17,565	17,362	101.2
11.	<u>FERTILIZER</u>	3	3.50				
i.	UREA		3.50	M.Tons	1,583,731	1,487,554	106.5
ii.	AMONIA		3.50	M.Tons	425,336	272,878	155.9
iii.	DAP*		3.50	M.Tons	483,391		
12.	<u>PAINTS & VARNISH</u>	9	0.32				
i.	PAINTS		0.32	M.Tons	860	795	108.2
ii.	VARNISH		0.32	"000" Liters.	3,100	3,415	90.8
13.	<u>SOAP</u>	38	1.66				
i.	WASHING SOAP		1.66	M.Tons	32,853	30,776	106.7
ii.	DETERGENT POWDER		1.66	M.Tons	99,299	98,796	100.5

Sr. No.	Industrial Sector/ Items	No. of Industrial Units as per CMI 2005-06	WEIGHT (2005-06)	Unit of Quantity	Production		Index of Production in 2019-20 (Jul-Jan) with 2018-19 (Jul-Jan)
					2019-20 (Jul-Jan)	2018-19 (Jul-Jan)	
iii.	TOILET SOAP		1.66	M.Tons	13,184	15,414	85.5
iv.	TOOTH PASTE*		1.66	M.Tons	5,182		
14.	<u>PETROLEUM PRODUCTS</u>	2	9.32				
i.	L.P.G		9.32	"000" Liters.	12,972	17,644	73.5
ii.	NAPHTHA SOLVENT		9.32	"000" Liters.	170,659	174,307	97.9
iii.	KEROSENE OIL		9.32	"000" Liters.	4,571	4,445	102.8
iv.	H.S.D		9.32	"000" Liters.	765,422	823,174	93.0
v.	FURNACE OIL		9.32	"000" Liters.	424,825	492,077	86.3
vi.	ASPHALT 80-100		9.32	"000" Liters.	114,107	48,158	236.9
vii.	ASPHALT 60-70		9.32	"000" Liters.	14,454	25,353	57.0
viii.	MOTOR SPRIT		9.32	"000" Liters.	88,273	191,422	46.1
ix.	JET FUEL		9.32	"000" Liters.	78,523	101,029	77.7
x.	LUBRICATING OIL		9.32	"000" Liters.	12,748	49,842	25.6
xi.	OTHERS*		0.00	"000" Liters.	219,972	1,186	
15.	<u>TYRES & TUBES</u>	4	0.41				
i.	MOTOR TYRE		0.41	Nos.	1,493,551	1,539,336	97.0
ii.	MOTOR TUBE		0.41	Nos.	360,054	393,805	91.4
16.	<u>CEMENT</u>	11	3.86				
i.	CEMENT		3.86	M.Tons	876,941	786,298	111.5
17.	<u>M.S.PRODUCTS</u>	28	4.88				
i.	M.S PRODUCTS		4.88	M.Tons	30,316	25,665	118.1
18.	<u>SAFETY RAZOR BLADE</u>	1	0.40				
i.	SAFETY RAZOR BLAD		0.04	"000" NOs.	449,516	478,885	93.9
19.	<u>SEWING MACHINES</u>	3	0.25				
i.	SEWING MACHINES		0.25	Nos.	20,540	19,106	107.5
20.	<u>ELEC. APPLIANCES</u>	3	2.21				
i.	REFRIGERATORS		0.11	Nos.	311,320	302,544	102.9
ii.	AIR-CONDITIONERS		0.60	Nos.	28,575	82,434	34.7
iii.	DEEP FREEZERS		0.50	Nos.	5,089	8,319	61.2
iv.	WASHING MACHINES		0.50	Nos.	169,908	110,338	154.0
v.	MICROWAVE OVEN*		0.50	Nos.	212,798		
21.	<u>AUTOMOBILE</u>	17	11.15				
i.	TRUCKS		2.71	Nos.	2,050	4,255	48.2
ii.	BUSES		0.77	Nos.	364	576	63.2
iii.	LCV'S		2.50	Nos.	8,558	15,561	55.0
iv.	MOTOR CYCLES		2.06	Nos.	897,063	1,028,091	87.3
v.	TRACTORS		0.25	Nos.	17,344	27,644	62.7
vi.	CARS		0.50	Nos.	72,337	133,177	54.3
vii.	VANS & JEEPS*		1.18	Nos.	2,480		
viii.	THREE WHEELERS*		1.18	Nos.	21,984		
Grand Total		535	69.63				

*New items are reporting from selected companies added since July (2019-20)

Table 5: Employment in Selected Large-Scale Manufacturing Sector, January-2020 Vs December-2019

Sr. No.	Industrial Sector/ Items	No. of Industrial Units as per CMI 2005-06	Total Employees		Production Worker	
			Jan:2020	Dec:2019	Jan:2020	Dec:2019
1	<u>VEGETABLE GHEE</u>	35	2,258	2,243	1,559	1,610
2	<u>SUGAR</u>	26	9,309	8,914	6,067	5,709
3	<u>TEA</u>	7	3,103	3,127	2,644	2,662
4	<u>BEVERAGES</u>	13	3,427	3,493	1,461	1,475
5	<u>COTTON TEXTILE</u>	133	53,386	54,460	41,194	42,316
6	<u>LEATHER TANNING</u>	30	6,430	6,424	5,364	5,496
7	<u>PAPER & PAPER BOARD</u>	6	2,256	2,266	1,610	1,622
8	<u>PHARMACEUTICALS</u>	78	6,229	6,231	3,656	3,666
9	<u>ACID, ALKALIES & SALT</u>	3	34	34	22	22
10	<u>FERTILIZER</u>	3	948	948	786	783
11	<u>PAINTS & VARNISH</u>	9	106	106	57	57
12	<u>SOAP</u>	38	2,086	2,750	1,817	2,417
13	<u>PETROLEUM PRODUCTS</u>	2	434	433	336	336
14	<u>TYRES & TUBES</u>	4	5,724	5,820	4,044	4,100
15	<u>CEMENT</u>	11	4,402	4,507	1,877	2,006
16	<u>STEEL PRODUCTS</u>	1	9,149	9,149	6,191	6,191
17	<u>M.S PRODUCTS</u>	28	827	827	670	670
18	<u>SAFETY RAZOR BLAD</u>	1	288	288	251	253
19	<u>SEWING MACHINES</u>	3	416	416	360	360
20	<u>ELEC. APPLIANCES</u>	3	750	750	663	663
21	<u>AUTOMOBILE</u>	17	14,919	14,869	6,825	6,825
22	<u>STORAGE BATTERIES</u>	4	2,113	2,113	1,648	1,647
	Grand Total	455	128,594	130,169	89,100	90,886

Table 6: Employment in Selected Large-Scale Manufacturing Sector, January-2020VsJanuary-2019

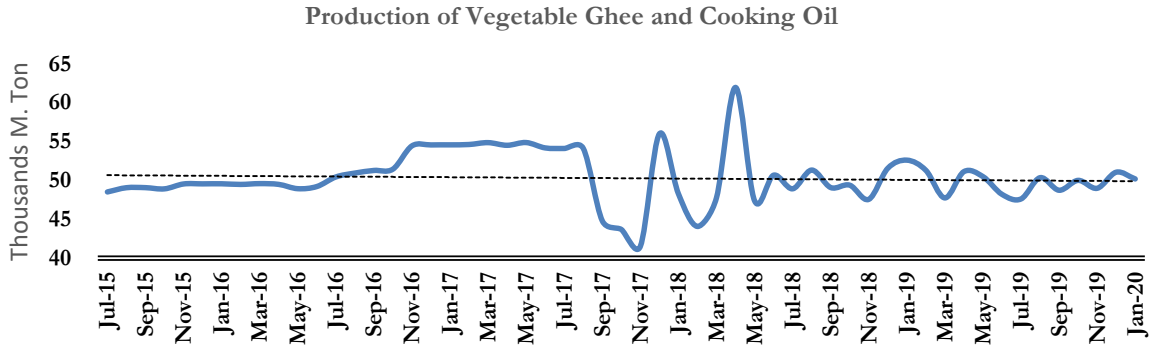
Sr. No.	Industrial Sector/ Items	No. of Industrial Units as per CMI 2005-06	Employees		Production Worker	
			Jan:2020	Jan:2019	Jan:2020	Jan:2019
1	<u>VEGETABLE GHEE</u>	35	2,258	2,197	1,559	1,642
2	<u>SUGAR</u>	26	9,309	9,583	6,067	6,184
3	<u>TEA</u>	7	3,103	140	2,644	96
4	<u>BEVERAGES</u>	13	3,427	4,116	1,461	1,966
5	<u>COTTON TEXTILE</u>	133	53,386	57,446	41,194	43,791
6	<u>LEATHER TANNING</u>	30	6,430	5,697	5,364	4,825
7	<u>PAPER & PAPER BOARD</u>	6	2,256	507	1,610	433
8	<u>PHARMACEUTICALS</u>	78	6,229	9,667	3,656	5,938
9	<u>ACID, ALKALIES & SALT</u>	3	34	34	22	22
10	<u>FERTILIZER</u>	3	948	336	786	247
11	<u>PAINTS & VARNISH</u>	9	106	106	57	54
12	<u>SOAP</u>	38	2,086	3,134	1,817	2,762
13	<u>PETROLEUM PRODUCTS</u>	2	434	416	336	343
14	<u>TYRES & TUBES</u>	4	5,724	6,080	4,044	4,260
15	<u>CEMENT</u>	11	4,402	5,124	1,877	2,150
16	<u>STEEL PRODUCTS</u>	1	9,149	10,135	6,191	7,010
17	<u>M.S PRODUCTS</u>	28	827	827	670	670
18	<u>SAFETY RAZOR BLAD</u>	1	288	288	251	256
19	<u>SEWING MACHINES</u>	3	416	151	360	110
20	<u>ELECTRICAL APPARATUS</u>	3	750	750	663	663
21	<u>AUTOMOBILE</u>	17	14,919	3,362	6,825	2,603
22	<u>STORAGE BATTERIES</u>	4	2,113	2,202	1,648	1,450
	Grand Total	455	128,594	122,297	89,100	87,476

**Table 7: Average Monthly Employment in Selected Large Scale Manufacturing Sector,
2019-20 (Jul to Jan) Vs 2018-19 (Jul to Jan)**

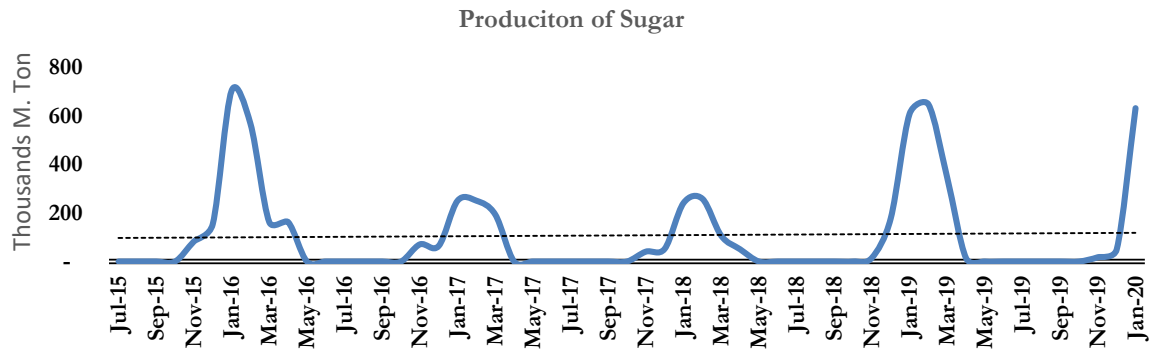
Sr. No.	Industrial Sector/ Items	No. of Industrial Units as per CMI 2005-06	Average Monthly Total Employment		Average Monthly Production Worker	
			(Jul-Jan) 2019-20	(Jul-Jan) 2018-19	(Jul-Jan) 2019-20	(Jul-Jan) 2018-19
1	<u>VEGETABLE GHEE</u>	35	2,228	2,449	1,620	1,842
2	<u>SUGAR</u>	26	7,682	9,047	5,290	5,802
3	<u>TEA</u>	7	3,113	143	1,983	100
4	<u>BEVERAGES</u>	13	2,869	4,121	1,017	1,960
5	<u>COTTON TEXTILE</u>	133	54,620	57,268	42,551	43,791
6	<u>LEATHER TANNING</u>	30	6,609	5,816	5,544	4,931
7	<u>PAPER & PAPER BOARD</u>	6	2,257	547	1,639	479
8	<u>PHARMACEUTICALS</u>	78	6,196	9,602	3,392	6,220
9	<u>ACID, ALKALIES & SALT</u>	3	34	34	22	22
10	<u>FERTILIZER</u>	3	960	343	795	253
11	<u>PAINTS & VARNISH</u>	9	106	106	57	54
12	<u>SOAP</u>	38	2,655	3,402	2,331	3,034
13	<u>PETROLEUM PRODUCTS</u>	2	433	420	340	347
14	<u>TYRES & TUBES</u>	4	5,882	6,141	4,134	4,273
15	<u>CEMENT</u>	11	4,624	5,185	1,960	2,185
16	<u>STEEL PRODUCTS</u>	1	9,357	10,352	6,344	7,211
17	<u>M.S PRODUCTS</u>	28	827	972	670	801
18	<u>SAFETY RAZOR BLAD</u>	1	288	288	254	258
19	<u>SEWING MACHINES</u>	3	416	148	360	108
20	<u>ELECTRICAL APPARATUS</u>	3	750	750	663	663
21	<u>AUTOMOBILE</u>	17	15,037	3,420	6,883	2,655
22	<u>STORAGE BATTERIES</u>	4	2,128	2,069	1,653	1,339
	Grand Total	455	129,072	122,621	89,502	88,328

8. Time Series Graphs of Important Industrial Sectors/ Products

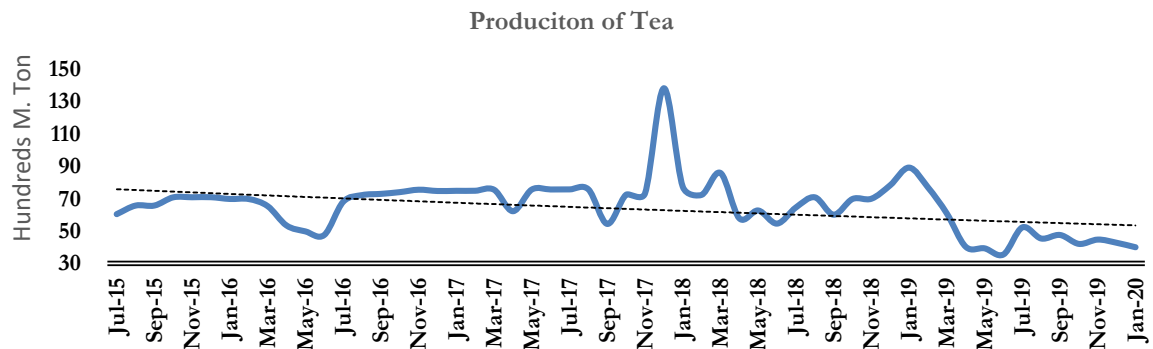
Vegetable Ghee and Cooking Oil:



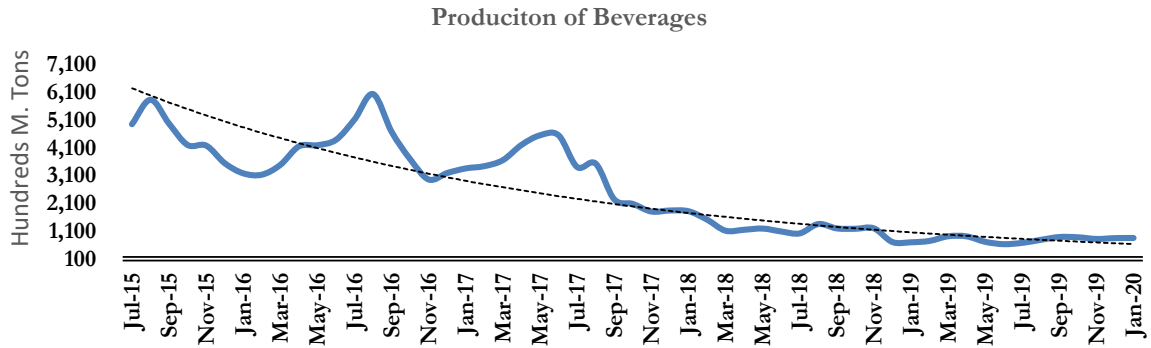
Sugar:



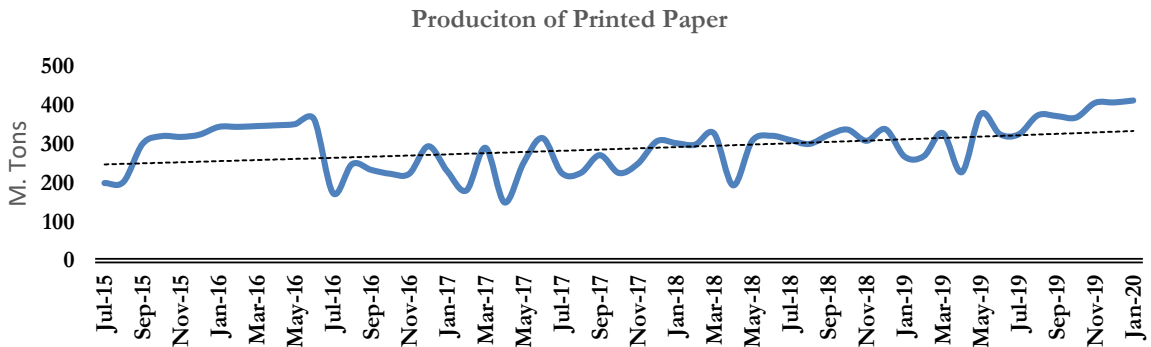
Tea:



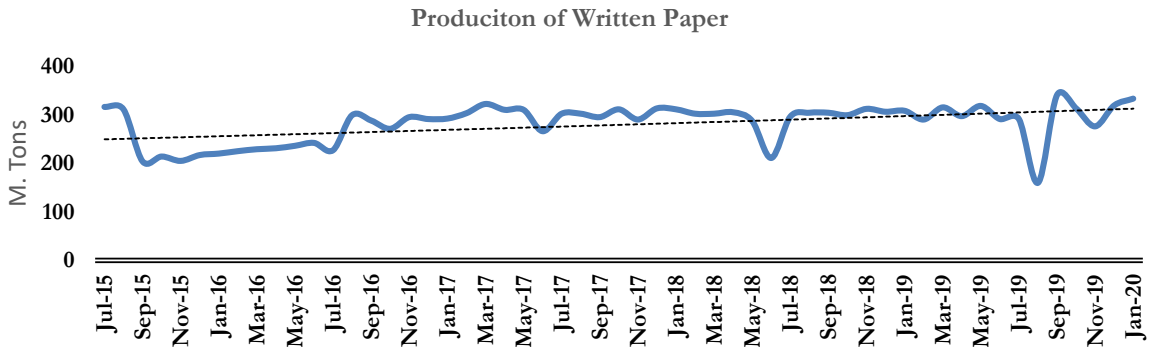
Beverages:



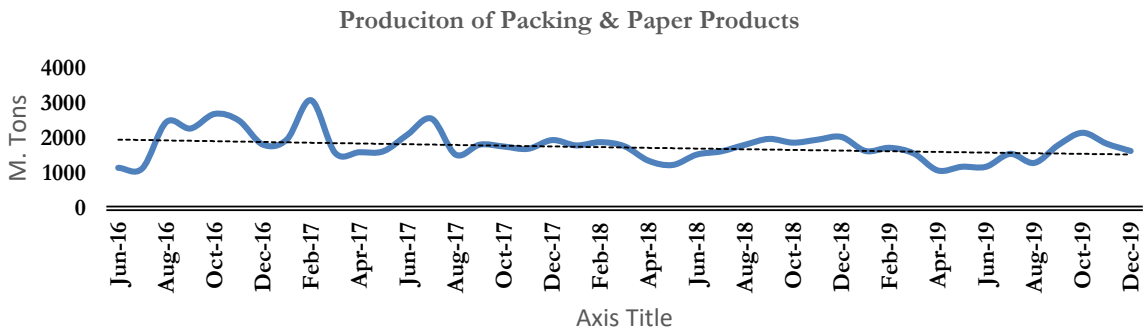
Paper Printing:



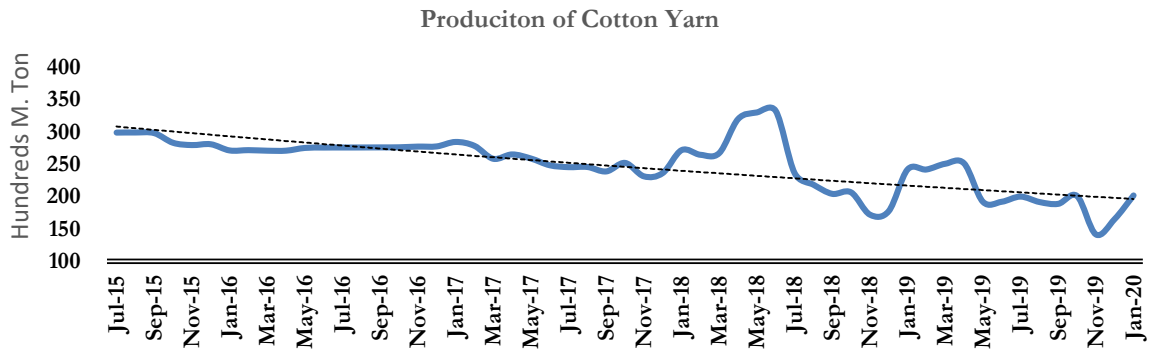
Written Paper:



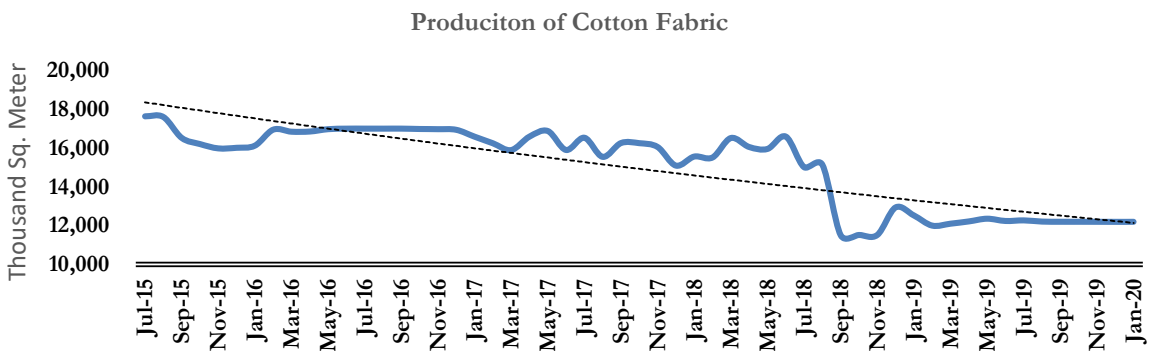
Packaging and Paper Products:



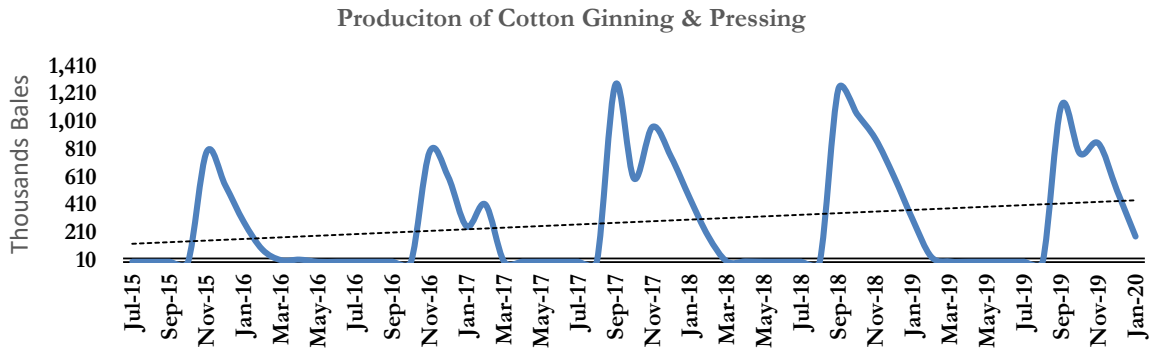
Cotton Textile:



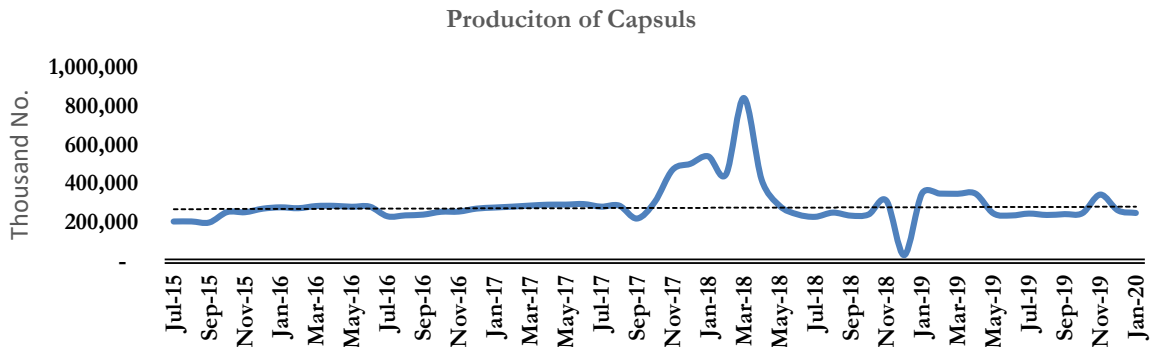
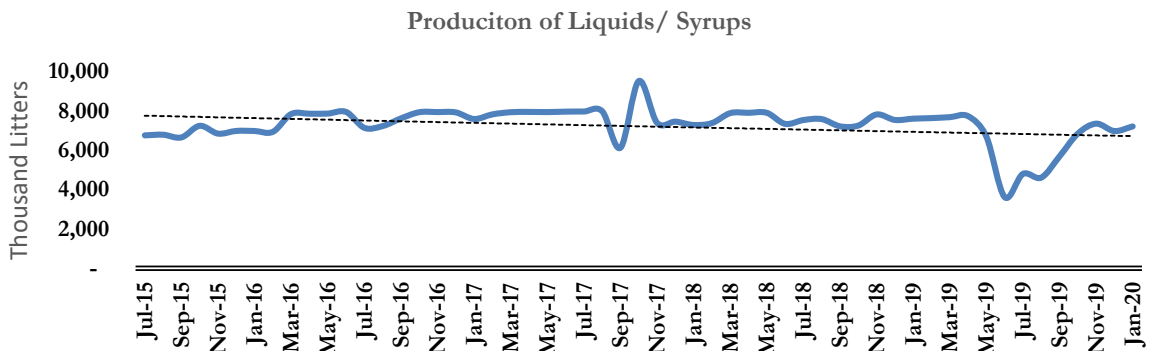
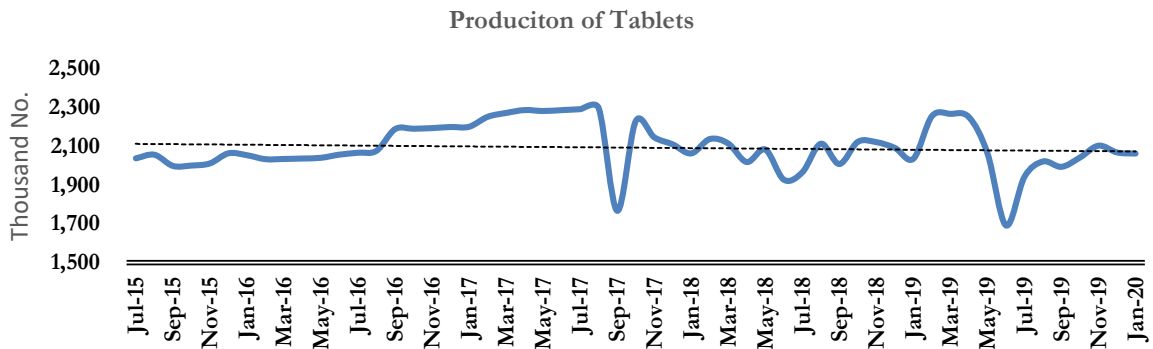
Cotton Fabric:

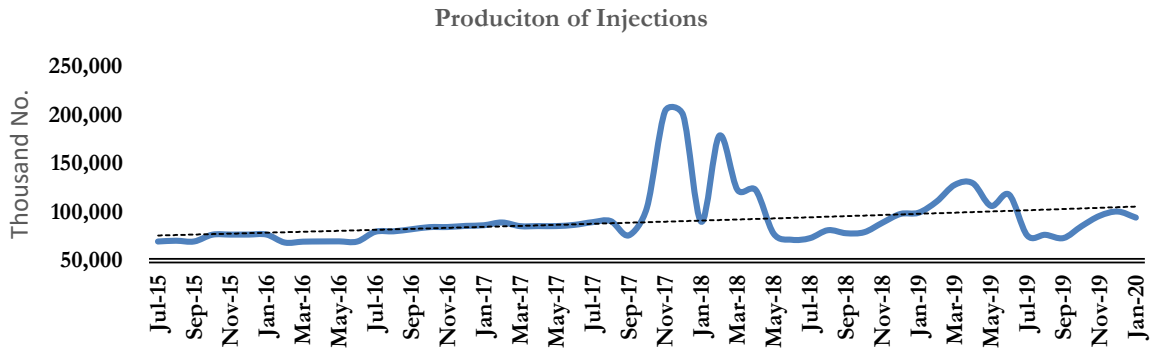


Cotton Ginning & Pressing:

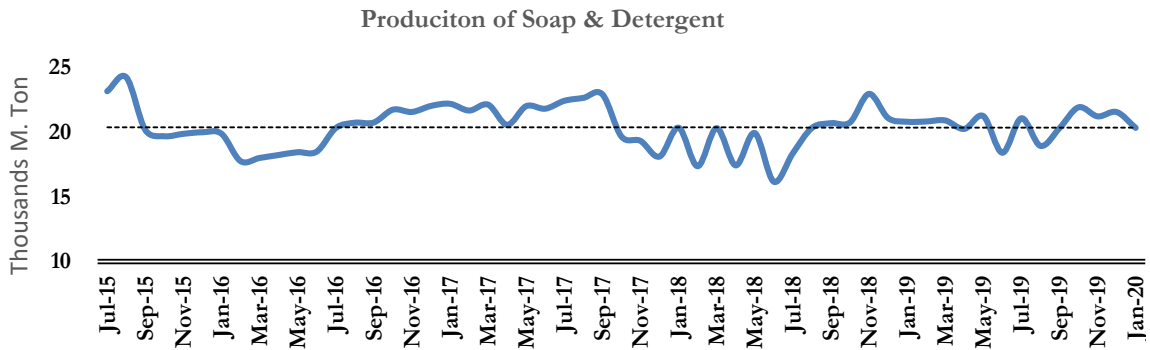


Pharmaceutical:

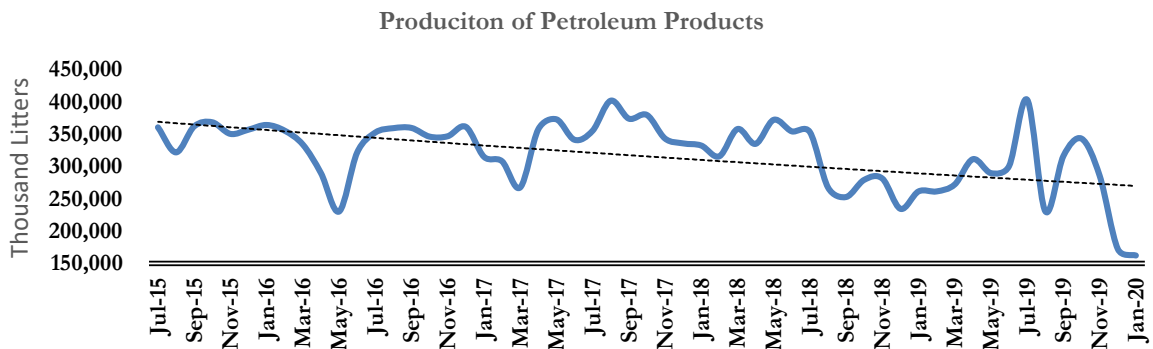




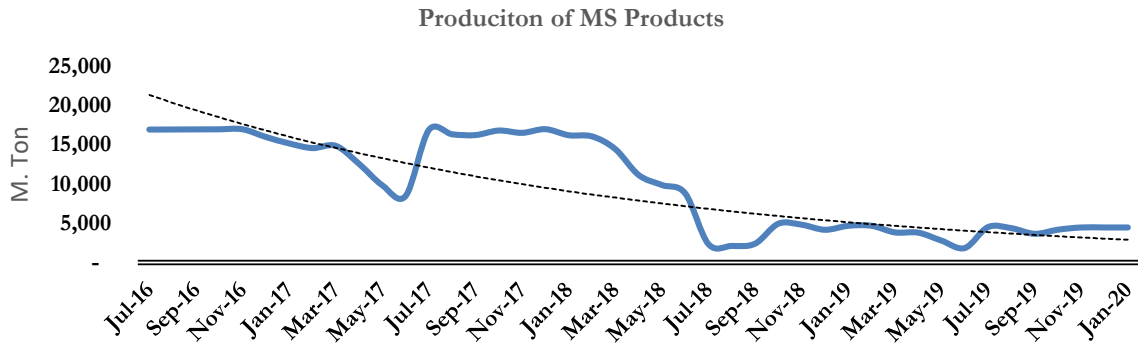
Soap & Detergent:



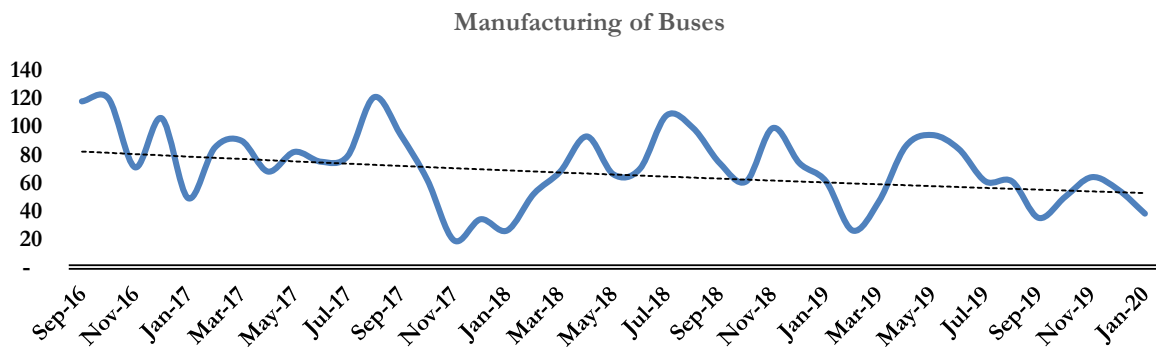
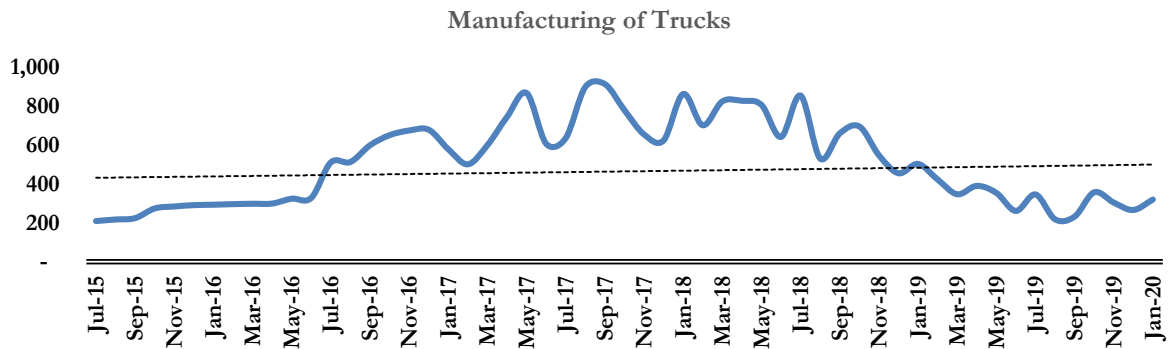
Petroleum Products:



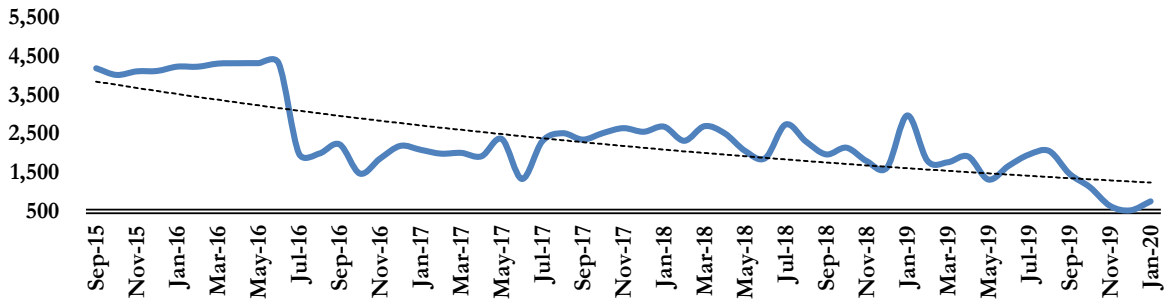
MS Products:



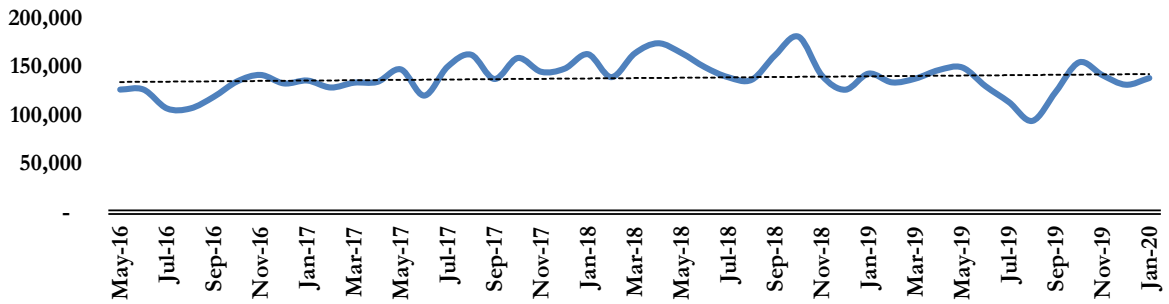
Automobile:



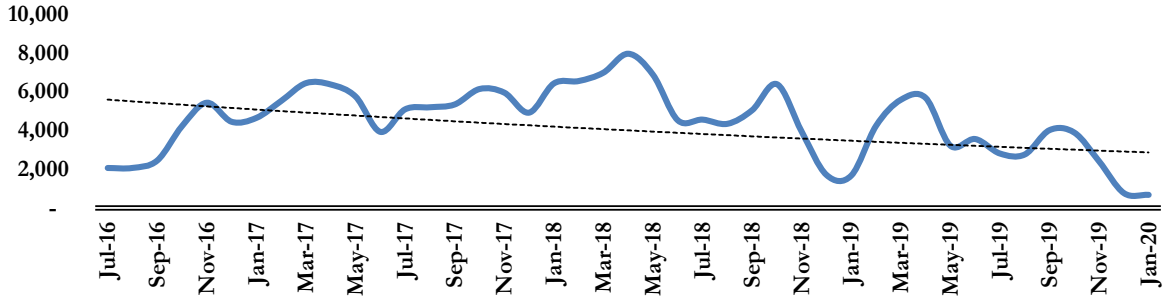
Manufacturing of LCVs



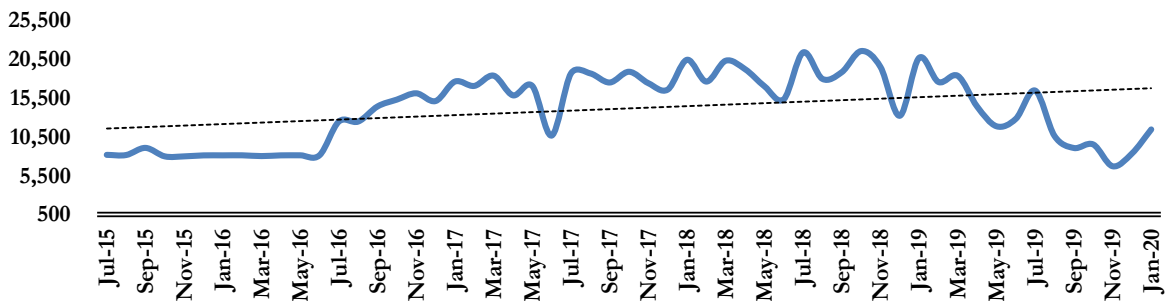
Manufacturing of Motor Cycles



Manufacturing of Tractors



Manufacturing of Cars



Annexure – A: Proforma/ Questionnaire



**GOVERNMENT OF SINDH
PLANNING & DEVELOPMENT DEPARTMENT
BUREAU OF STATISTICS**

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Street-13, Block-8, Kehkashan Clifton, Karachi-75600, P.O.Box# 3879



021-99251259



ddindustries.sindhbos@gmail.com / m.kazimjafri@hotmail.com

The information supplied will be kept strictly confidential and will be used for statistical purpose only.	REPORT FOR	
	MONTH	YEAR

MONTHLY SURVEY OF INDUSTRIAL PRODUCTION AND EMPLOYMENT IN SINDH.

INDUSTRY CODE

--	--	--	--	--

Estb: Code

--	--	--	--

LOCATION CODE

--	--

PART-I GENERAL PARTICULARS

i) Name and Address of the Establishment _____

ii) Name, Designation, Telephone, Cell and _____

Fax# of the person to be contacted. _____

iii) Website and E-mail Address _____

PART-II PRODUCTION DATA

S.No	Major Items of Production	Code	Unit of Quantity	Code	Previous Month	Current Month	Reasons of Growth/ Decline

PART-III WORKING DAYS AND EMPLOYMENT

i) No. of days establishment worked _____

ii) No. of Production workers. Male _____ Female _____ Total _____

iii) No. of Non production workers Male _____ Female _____ Total _____

TOTAL (ii + iii)

Male _____ Female _____ Total _____

Note: Production Workers mean those who are directly associated with production. It includes those engaged in manufacturing, assembling packing repairing etc. Working Supervisor should also be included, Non production worker mean those who are not directly associated with production it includes Administrative Clerical and Services Staff like Chowkidar, Driver and Sweeper.

Signature _____

Designation _____

Date _____

Annexure – B: Important Definitions

Large Scale Manufacturing Industries

Establishments where 10 or more employees are working are called large Scale Manufacturing Industries.

Employees

Employees mean all persons whether part time or full time who work in the establishments and receive remuneration in cash or in kind. Working proprietors, unpaid family workers and home workers are excluded from the category of employee. There are two types of employees Production Workers and Non-Production Workers.

- **Production Workers**

Are engaged in work directly associated with production like manufacturing, assembling, packing, repairing etc. Working supervisors and persons engaged for repairs and maintenance are also included.

- **Non-Production Workers**

Include administrative and professional employees, white-collar office employees, drivers, watchmen/guards, peons, sweepers, office boys, etc.

Annexure – C: Data Users

- Ministry of Industries & Production, Government of Pakistan.
- Planning & Development Department, Government of Sindh.
- Pakistan Bureau of Statistics, Government of Pakistan.
- State Bank of Pakistan.
- Provincial Bureaus of Statistics, Punjab, KPK and Baluchistan.
- Research & Training Wing, Planning & Development Department, Government of Sindh.



(Industries Section)
Bureau of Statistics
Planning & Development
Department
Government of Sindh
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