

MONTHLY SURVEY OF INDUSTRIAL PRODUCTION & EMPLOYMENT IN SINDH

January, 2021

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, 2021



Bureau of Statistics
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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 537 industrial establishments (selection on the basis of CMI 2005-06). These industries account for 70.6% 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.

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Introduction

Industrial Statistics 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. As per the composition of Pakistan's economy in 2019-20, Agriculture Sector is 19.31%, Industries Sector is 19.29% and Services Sector is 61.4%.

According to the Pakistan Bureau of Statistics, for fiscal year 2020 followed partial lockdown situation faced by industrial sector in the country due to COVID-19. A significant impact has been observed in the manufacturing sector, particularly Large-Scale Manufacturing and Small-Scale Manufacturing. In the industrial sector, 2.64% negative provincial growth has been observed (PBS). From the share of industrial sector 12.48% are manufacturing and more specifically 9.5% is Large Scale Manufacturing (LSM) Sector. The role of Sindh province in the Large Scale Manufacturing is very vital. However, Sindh QIM's trend of overall manufacturing index is on declining side which mainly caused by COVID-19. As the Karachi is the largest metropolitan city of Pakistan, according to Karachi Chamber of Commerce and Industry (KCCI) it produces 15% with an annual Gross Domestic Product (GDP). Sindh Business Register (SBR), 2017 established by Sindh Bureau of Statistics, Planning & Development Department shows that 67% establishments/ factories are located in Karachi Division and remaining 33% are located in other districts of Sindh.

For the timely and quality industrial statistics, Sindh Bureau of Statistics, Planning & Development Department has been conducting Monthly Survey of Industrial Production and Employment (MIPE). This survey report includes 61 items manufactured in 22 large scale Industrial sectors from 537 establishments/ factories in Sindh. The sample of 537 firms was drawn from the last Census of Manufacturing Industries (CMI), 2005-06 and these industries account for 70.6% of total value added in terms of production during 2005-06, CMI. However, the recent CMI 2015-16 has been conducted by PBS, as it will be published that will be used as base year and QIM base year will be shifted from 2005-06 to 2015-16. 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.

1. 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**.

2. 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.

3. 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.

4. 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 537 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.

Analysis

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

- Overall Production in January, 2020 is slightly decreased by 0.95% as compared to last month (i.e. December, 2020)
- Overall Production in January, 2021 is considerably higher by 33.49% as compared to corresponding month of last year (i.e. January, 2020) as this month was in the recession period of last financial year 2019-20 because the industrial production is continuously decreasing.
- Cumulative production from July to January (2020-21) is significantly increased by 11.2% as compared to the period of July to January (2019-20)
- Employment during January, 2021 is slightly increased 0.9% as compared to previous month (i.e. December, 2020).
- Employment during January, 2021 decreased around 4% in comparison with January, 2020.
- Average monthly employment during the period of July-January (2020-21) is 7.45% lower than the corresponding period of July-January (2019-20).

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	2020-21
July	255.7	284.0	327.0	290.8	259.7	294.2
August	266.0	287.7	336.4	265.5	220.9	238.5
September	274.2	281.5	330.9	311.3	266.7	295.4
October	247.0	291.4	355.7	287.0	277.0	315.6
November	283.7	317.1	343.2	273.3	280.3	320.5
December	261.7	302.8	341.5	265.2	223.7	350.6
January	297.4	286.1	374.0	321.3	263.8	347.2
February	293.2	283.3	324.5	309.0	313.2	
March	253.9	275.6	341.4	279.7	258.2	
April	250.6	276.8	338.5	258.2	172.1	
May	254.4	283.9	311.3	248.2	199.8	
June	259.0	258.1	307.4	257.6	324.9	
Average (Geometric Mean)	265.9	285.4	335.5	279.7	251.3	

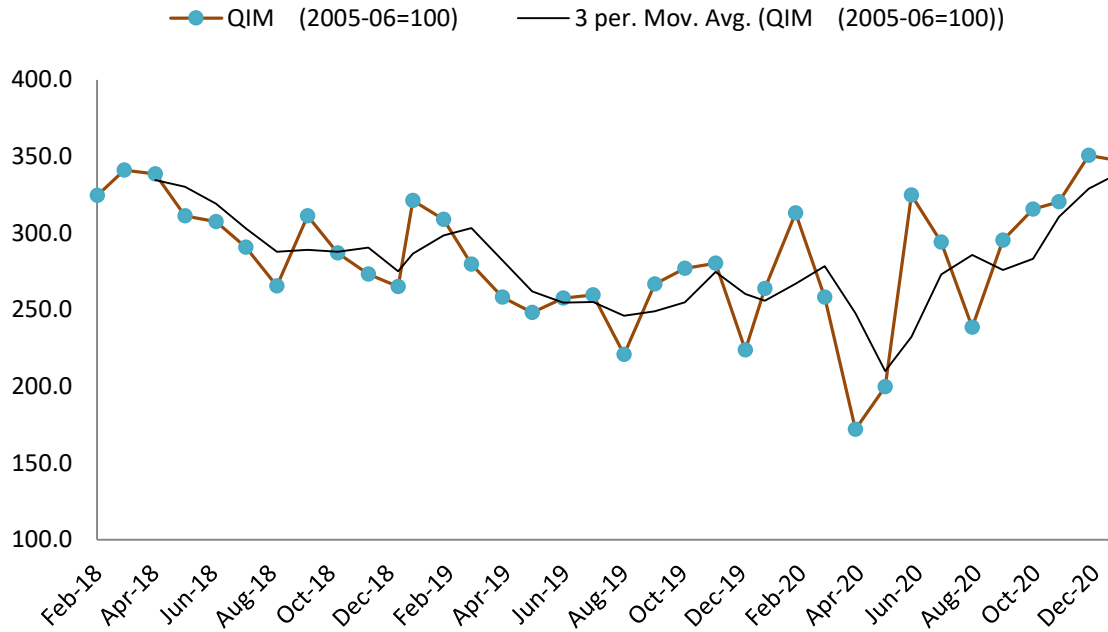


Figure 1: Trend of Quantum Index of Large Scale Manufacturing Industries at base year 2005-06

During the current month mix trend observed in the manufacturing production index. Such as textile, cement, paper and electrical appliances items increasing whereas big drop is observed in some manufacturing products such as fertilizer and soap.

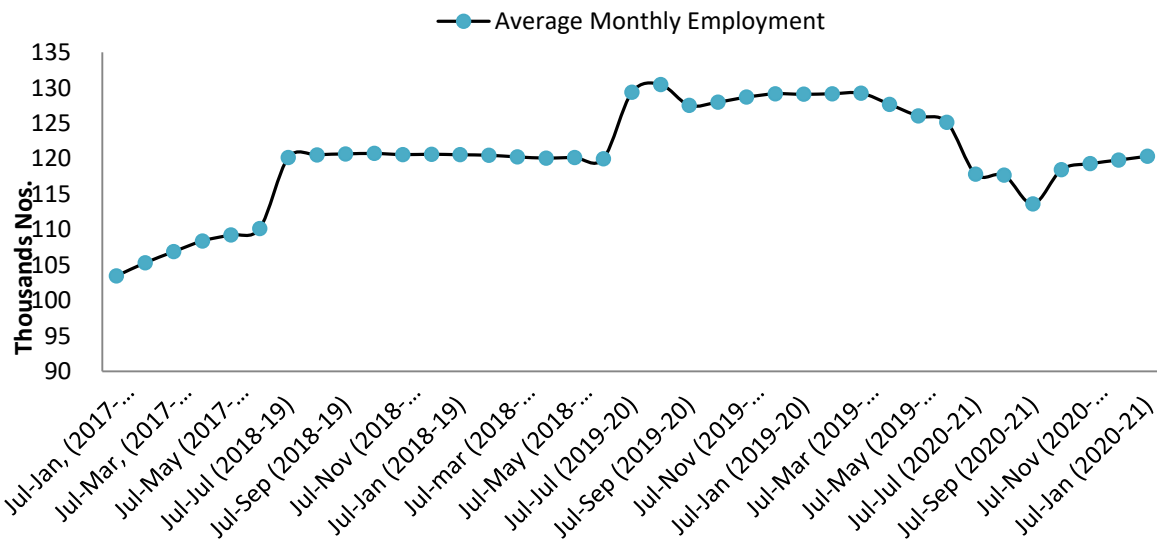


Figure 2: Trend of Average Monthly Employment in Large Scale Manufacturing Industries

Since the production of last six months is showing an upward trend and it's lag impact is reflecting that the Large Scale Manufacturing employment is gradually increasing and graph is showing steady growth.

Production and Employment Data

Table 2: Production of Selected Items Pertaining to Large-Scale Manufacturing Sector, January-2021 Vs December-2020

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:2021 with Dec: 2020
					Jan:2021	Dec:2020	
1.	<u>VEGETABLE GHEE</u>	35	1.61				
i.	VEGETABLE GHEE		1.11	M.Tons	36,766	32,377	113.6
ii.	COOKING OIL		0.50	M.Tons	16,812	14,053	119.6
2.	<u>SUGAR</u>	26	4.32				
i.	SUGAR		4.32	M.Tons	400,294	302,705	132.2
3.	<u>TEA</u>	7	1.23				
i.	TEA		1.23	M.Tons	3,437	5,681	60.5
4.	<u>BEVERAGES</u>	13	0.85				
i.	BEVERAGES		0.85	"000" NOs.	80,069	76,800	104.3
ii.	WATER*		0.85	"000" NOs.	14,554	14,506	100.3
5.	<u>COTTON TEXTILE</u>	133	13.65				
i.	COTTON YARN		9.10	M.Tons	20,567	20,681	99.4
ii.	COTTON FABRICS		4.13	"000" Sq. M	21,901	19,569	111.9
iii.	M.M.YARN		0.42	M.Tons	1,891	1,787	105.8
6.	<u>LEATHER TANNING</u>	30	0.29				
i.	UPPER LEATHER		0.07	"000" Sq. M.	969	794	122.0
ii.	WET BLUE TANNED COTTON GINNING & PRESSING		0.22	"000" Sq. M.	100	98	102.0
7.	<u>COTTON GINNING & PRESSING</u>	85	3.30				
i.	C.G.& PRESSING		3.30	Bales	1,123,794	996,511	112.8
8.	<u>PAPER & PAPER BOARD</u>	6	0.01				
i.	PRINTING PAPER		0.01	M.Tons	361	160	225.6
ii.	WRITTEN PAPER		0.01	M.Tons	102	102	100.0
iii.	PACKING & OTHER PAPER		0.01	M.Tons	1,785	1,785	100.0
iv.	ADVERTISING MATERIAL		0.01	M.Tons	27	27	100.0
9.	<u>PHARMACEUTICALS</u>	78	6.37				
i.	TABLETS		1.67	"000" NOs.	1,882,860	1,985,124	94.8
ii.	LIQUIDS/SYRUPS		1.97	"000" Liters.	8,492	9,231	92.0
iii.	CAPSULES		1.36	"000" NOs.	371,148	362,998	102.2
iv.	INJECTIONS		1.22	"000" NOs.	124,509	129,217	96.4
v.	OINTMENT		0.15	KGs.	211,366	208,593	101.3
10.	<u>ACID, ALKALIES & SALT</u>	3	0.04				
i.	SULPHURIC ACID		0.04	M.Tons	1,271	2,354	54.0
11.	<u>FERTILIZER</u>	3	3.50				
i.	UREA		3.50	M.Tons	178,959	236,984	75.5
ii.	AMONIA		3.50	M.Tons	-	44,871	0.0
iii.	DAP		3.50	M.Tons	16,850	72,751	23.2
12.	<u>PAINTS & VARNISH</u>	9	0.32				
i.	PAINTS		0.32	M.Tons	91	92	98.9

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:2021 with Dec: 2020
					Jan:2021	Dec:2020	
ii.	VARNISH		0.32	"000" Liters.	291	342	85.1
13.	<u>SOAP</u>	38	1.66				
i.	WASHING SOAP		1.66	M.Tons	6,348	7,126	89.1
ii.	DETERGENT POWDER		1.66	M.Tons	14,077	15,289	92.1
iii.	TOILET SOAP		1.66	M.Tons	1,334	1,770	75.4
iv.	TOOTH PASTE		1.66	M.Tons	948	999	94.9
14.	<u>PETROLEUM PRODUCTS</u>	2	9.32				
i.	L.P.G		9.32	"000" Liters.	2,582	2,728	94.7
ii.	NAPHTHA SOLVENT		9.32	"000" Liters.	16,077	16,825	95.6
iii.	KEROSENE OIL		9.32	"000" Liters.	68	-	0.0
iv.	H.S.D		9.32	"000" Liters.	118,608	122,883	96.5
v.	FURNACE OIL		9.32	"000" Liters.	49,234	53,658	91.8
vi.	ASPHALT 80-100		9.32	"000" Liters.	1,779	339	524.7
vii.	ASPHALT 60-70		9.32	"000" Liters.	8,517	7,344	116.0
viii.	MOTOR SPRIT		9.32	"000" Liters.	23,230	23,577	98.5
ix.	JET FUEL		9.32	"000" Liters.	13,756	11,143	123.4
x.	LUBRICATING OIL		9.32	"000" Liters.	15,466	19,363	79.9
xi.	OTHERS		0.00	"000" Liters.	34,097	33,400	102.1
15.	<u>TYRES & TUBES</u>	4	0.41				
i.	MOTOR TYRE		0.41	Nos.	250,873	242,174	103.6
ii.	MOTOR TUBE		0.41	Nos.	15,270	39,415	38.7
16.	<u>CEMENT</u>	11	3.86				
i.	CEMENT		3.86	M.Tons	530,094	515,499	102.8
17.	<u>M.S.PRODUCTS</u>	28	4.88				
i.	M.S PRODUCTS		4.88	M.Tons	4,875	3,659	133.2
18.	<u>STEEL PRODUCTS</u>	2	1.02				
i.	STEEL PRODUCTS		1.02	M.Tons	1,397	2,545	54.9
19.	<u>SAFETY RAZOR BLADE</u>	1	0.40				
i.	SAFETY RAZOR BLAD		0.04	"000" NOs.	78,235	75,352	103.8
20.	<u>SEWING MACHINES</u>	3	0.25				
i.	SEWING MACHINES		0.25	Nos.	1,578	1,450	108.8
21.	<u>ELEC. APPLIANCES</u>	3	2.21				
i.	REFRIGERATORS		0.11	Nos.	45,017	52,145	86.3
ii.	AIR-CONDITIONERS		0.60	Nos.	23,057	6,790	339.6
iii.	DEEP FREEZERS		0.50	Nos.	1,591	253	628.9
iv.	WASHING MACHINES		0.50	Nos.	35,176	34,092	103.2
v.	MICROWAVE OVEN		0.50	Nos.	45,135	47,353	95.3
22.	<u>AUTOMOBILE</u>	17	11.15				
i.	TRUCKS		2.71	Nos.	181	231	78.4
ii.	BUSES		0.77	Nos.	51	48	106.3
iii.	LCV'S		2.50	Nos.	1,619	1,841	87.9
iv.	MOTOR CYCLES		2.06	Nos.	157,877	154,333	102.3
v.	TRACTORS		0.25	Nos.	3,611	4,196	86.1
vi.	CARS		0.50	Nos.	13,826	11,514	120.1
vii.	VANS & JEEPS		1.18	Nos.	1,282	855	149.9
viii.	THREE WHEELERS		1.18	Nos.	4,451	4,532	98.2
	Grand Total	537	70.65				

Table 3: Production of Selected Items Pertaining to Large-Scale Manufacturing Sector, January-2021 Vs January-2020

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:2021 with Jan:2020
					Jan:2021	Jan:2020	
1.	<u>VEGETABLE GHEE</u>	35	1.61				
i.	VEGETABLE GHEE		1.11	M.Tons	36,766	33,527	109.7
ii.	COOKING OIL		0.50	M.Tons	16,812	16,654	100.9
2.	<u>SUGAR</u>	26	4.32				
i.	SUGAR		4.32	M.Tons	400,294	630,190	63.5
3.	<u>TEA</u>	7	1.23				
i.	TEA		1.23	M.Tons	3,437	3,998	86.0
4.	<u>BEVERAGES</u>	13	0.85				
i.	BEVERAGES		0.85	"000" NOs.	80,069	85,265	93.9
ii.	WATER*		0.85	"000" NOs.	14,554	16,373	88.9
5.	<u>COTTON TEXTILE</u>	133	13.65				
i.	COTTON YARN		9.10	M.Tons	20,567	20,184	101.9
ii.	COTTON FABRICS		4.13	"000" Sq. M	21,901	12,202	179.5
iii.	M.M.YARN		0.42	M.Tons	1,891	801	236.1
6.	<u>LEATHER TANNING</u>	30	0.29				
i.	UPPER LEATHER		0.07	"000" Sq. M.	969	1,269	76.4
ii.	WET BLUE TANNED		0.22	"000" Sq. M.	100	110	90.9
7.	<u>COTTON GINNING & PRESSING</u>	85	3.30				
i.	C.G.& PRESSING		3.30	Bales	1,123,794	181,685	618.5
8.	<u>PAPER & PAPER BOARD</u>	6	0.01				
i.	PRINTING PAPER		0.01	M.Tons	361	414	87.2
ii.	WRITTEN PAPER		0.01	M.Tons	102	333	30.6
iii.	PACKING & OTHER PAPER		0.01	M.Tons	1,785	1,630	109.5
iv.	ADVERTISING MATERIAL		0.01	M.Tons	27	25	108.0
9.	<u>PHARMACEUTICALS</u>	78	6.37				
i.	TABLETS		1.67	"000" NOs.	1,882,860	2,061,597	91.3
ii.	LIQUIDS/SYRUPS		1.97	"000" Liters.	8,492	7,212	117.7
iii.	CAPSULES		1.36	"000" NOs.	371,148	247,926	149.7
iv.	INJECTIONS		1.22	"000" NOs.	124,509	94,445	131.8
v.	OINTMENT		0.15	KGs.	211,366	227,149	93.1
10.	<u>ACID, ALKALIES & SALT</u>	3	0.04				
i.	SULPHURIC ACID		0.04	M.Tons	1,271	1,626	78.2
11.	<u>FERTILIZER</u>	3	3.50				
i.	UREA		3.50	M.Tons	178,959	193,766	92.4
ii.	AMONIA		3.50	M.Tons	-	5,411	0.0
iii.	DAP		3.50	M.Tons	16,850	38,754	43.5
12.	<u>PAINTS & VARNISH</u>	9	0.32				
i.	PAINTS		0.32	M.Tons	91	122	74.6
ii.	VARNISH		0.32	"000" Liters.	291	411	70.8

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:2021 with Jan:2020
					Jan:2021	Jan:2020	
13.	<u>SOAP</u>	38	1.66				
i.	WASHING SOAP		1.66	M.Tons	6,348	4,595	138.2
ii.	DETERGENT POWDER		1.66	M.Tons	14,077	13,705	102.7
iii.	TOILET SOAP		1.66	M.Tons	1,334	2,028	65.8
iv.	TOOTH PASTE		1.66	M.Tons	948	802	118.2
14.	<u>PETROLEUM PRODUCTS</u>	2	9.32				
i.	L.P.G		9.32	"000" Liters.	2,582	1,301	198.4
ii.	NAPHTHA SOLVENT		9.32	"000" Liters.	16,077	10,125	158.8
iii.	KEROSENE OIL		9.32	"000" Liters.	68	702	0.0
iv.	H.S.D		9.32	"000" Liters.	118,608	74,033	160.2
v.	FURNACE OIL		9.32	"000" Liters.	49,234	40,924	120.3
vi.	ASPHALT 80-100		9.32	"000" Liters.	-	3,452	0.0
vii.	ASPHALT 60-70		9.32	"000" Liters.	8,517	-	0.0
viii.	MOTOR SPRIT		9.32	"000" Liters.	23,230	406	5721.7
ix.	JET FUEL		9.32	"000" Liters.	13,756	5,098	269.8
x.	LUBRICATING OIL		9.32	"000" Liters.	15,466	-	0.0
xi.	OTHERS		0.00	"000" Liters.	34,097	26,087	130.7
15.	<u>TYRES & TUBES</u>	4	0.41				
i.	MOTOR TYRE		0.41	Nos.	250,873	210,810	119.0
ii.	MOTOR TUBE		0.41	Nos.	15,270	51,446	29.7
16.	<u>CEMENT</u>	11	3.86				
i.	CEMENT		3.86	M.Tons	530,094	138,280	383.3
17.	<u>M.S.PRODUCTS</u>	28	4.88				
i.	M.S PRODUCTS		4.88	M.Tons	4,875	4,491	108.6
18.	<u>STEEL PRODUCTS</u>	2	1.02				
i.	STEEL PRODUCTS		1.02	M.Tons	1,397	-	0.0
19.	<u>SAFETY RAZOR BLADE</u>	1	0.40				
i.	SAFETY RAZOR BLAD		0.04	"000" NOs.	78,235	58,404	134.0
20.	<u>SEWING MACHINES</u>	3	0.25				
i.	SEWING MACHINES		0.25	Nos.	1,578	2,700	58.4
21.	<u>ELEC. APPLIANCES</u>	3	2.21				
i.	REFRIGERATORS		0.11	Nos.	45,017	44,613	100.9
ii.	AIR-CONDITIONERS		0.60	Nos.	23,057	11,025	209.1
iii.	DEEP FREEZERS		0.50	Nos.	1,591	290	548.6
iv.	WASHING MACHINES		0.50	Nos.	35,176	28,540	123.3
v.	MICROWAVE OVEN		0.50	Nos.	45,135	39,274	114.9
22.	<u>AUTOMOBILE</u>	17	11.15				
i.	TRUCKS		2.71	Nos.	181	321	56.4
ii.	BUSES		0.77	Nos.	51	38	134.2
iii.	LCV'S		2.50	Nos.	1,619	761	212.7
iv.	MOTOR CYCLES		2.06	Nos.	157,877	138,253	114.2
v.	TRACTORS		0.25	Nos.	3,611	683	528.7
vi.	CARS		0.50	Nos.	13,826	11,475	120.5
vii.	VANS & JEEPS		1.18	Nos.	1,282	386	332.1
viii.	THREE WHEELERS		1.18	Nos.	4,451	1,687	263.8
	Grand Total	537	70.65				

Table 4: Production of Selected Items Pertaining to Large-Scale Manufacturing Sector,
2020-21 (Jul to Jan) Vs 2019-20 (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 2020-21 (Jul-Jan) with 2019-20 (Jul-Jan)
					2020-21 (Jul-Jan)	2019-20 (Jul-Jan)	
1.	<u>VEGETABLE GHEE</u>	35	1.61				
i.	VEGETABLE GHEE		1.11	M.Tons	244,505	239,437	102.1
ii.	COOKING OIL		0.50	M.Tons	105,940	107,441	98.6
2.	<u>SUGAR</u>	26	4.32				
i.	SUGAR		4.32	M.Tons	798,145	697,930	114.4
3.	<u>TEA</u>	7	1.23				
i.	TEA		1.23	M.Tons	29,944	31,479	95.1
4.	<u>BEVERAGES</u>	13	0.85				
i.	BEVERAGES		0.85	"000" NOs.	646,864	574,278	112.6
ii.	WATER*		0.85	"000" NOs.	118,111	108,541	108.8
5.	<u>COTTON TEXTILE</u>	133	13.65				
i.	COTTON YARN		9.10	M.Tons	136,720	129,032	106.0
ii.	COTTON FABRICS		4.13	"000" Sq. M	127,756	73,231	174.5
iii.	M.M.YARN		0.42	M.Tons	8,049	6,832	117.8
6.	<u>LEATHER TANNING</u>	30	0.29				
i.	UPPER LEATHER		0.07	"000" Sq. M.	5,174	8,387	61.7
ii.	WET BLUE TANNED		0.22	"000" Sq. M.	599	745	80.4
7.	<u>COTTON GINNING & PRESSING</u>	85	3.30				
i.	C.G.& PRESSING		3.30	Bales	4,413,243	3,451,245	127.9
8.	<u>PAPER & PAPER BOARD</u>	6	0.01				
i.	PRINTING PAPER		0.01	M.Tons	2,064	2,672	77.3
ii.	WRITTEN PAPER		0.01	M.Tons	1,553	2,032	76.4
iii.	PACKING & OTHER PAPER		0.01	M.Tons	11,722	11,443	102.4
iv.	ADVERTISING MATERIAL		0.01	M.Tons	172	175	98.3
9.	<u>PHARMACEUTICALS</u>	78	6.37				
i.	TABLETS		1.67	"000" NOs.	13,840,537	14,228,438	97.3
ii.	LIQUIDS/SYRUPS		1.97	"000" Liters.	53,000	43,473	121.9
iii.	CAPSULS		1.36	"000" NOs.	2,417,372	1,822,509	132.6
iv.	INJECTIONS		1.22	"000" NOs.	848,010	603,131	140.6
v.	OINTMENT		0.15	KGs.	1,427,636	1,537,933	92.8
10.	<u>ACID, ALKALIES & SALT</u>	3	0.04				
i.	SULPHURIC ACID		0.04	M.Tons	15,119	17,565	86.1
11.	<u>FERTILIZER</u>	3	3.50				
i.	UREA		3.50	M.Tons	1,600,599	1,583,731	101.1
ii.	AMONIA		3.50	M.Tons	270,307	425,336	63.6
iii.	DAP		3.50	M.Tons	462,916	483,391	95.8
12.	<u>PAINTS & VARNISH</u>	9	0.32				
i.	PAINTS		0.32	M.Tons	526	860	61.2
ii.	VARNISH		0.32	"000" Liters.	1,769	3,100	57.1

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 2020-21 (Jul-Jan) with 2019-20 (Jul-Jan)
					2020-21 (Jul-Jan)	2019-20 (Jul-Jan)	
13.	<u>SOAP</u>	38	1.66				
i.	WASHING SOAP		1.66	M.Tons	42,691	32,853	129.9
ii.	DETERGENT POWDER		1.66	M.Tons	100,722	99,299	101.4
iii.	TOILET SOAP		1.66	M.Tons	13,560	13,184	102.8
iv.	TOOTH PASTE		1.66	M.Tons	6,135	5,182	118.4
14.	<u>PETROLEUM PRODUCTS</u>	2	9.32				
i.	L.P.G		9.32	"000" Liters.	13,280	12,972	102.4
ii.	NAPHTHA SOLVENT		9.32	"000" Liters.	123,595	170,659	72.4
iii.	KEROSENE OIL		9.32	"000" Liters.	1,951	4,571	42.7
iv.	H.S.D		9.32	"000" Liters.	888,233	765,422	116.0
v.	FURNACE OIL		9.32	"000" Liters.	362,789	424,825	85.4
vi.	ASPHALT 80-100		9.32	"000" Liters.	3,139	114,107	2.8
vii.	ASPHALT 60-70		9.32	"000" Liters.	33,019	13,904	237.5
viii.	MOTOR SPRIT		9.32	"000" Liters.	145,247	87,302	166.4
ix.	JET FUEL		9.32	"000" Liters.	83,060	78,523	105.8
x.	LUBRICATING OIL		9.32	"000" Liters.	93,180	12,748	730.9
xi.	OTHERS		0.00	"000" Liters.	165,486	219,972	75.2
15.	<u>TYRES & TUBES</u>	4	0.41				
i.	MOTOR TYRE		0.41	Nos.	1,581,483	1,493,551	105.9
ii.	MOTOR TUBE		0.41	Nos.	159,977	340,054	47.0
16.	<u>CEMENT</u>	11	3.86				
i.	CEMENT		3.86	M.Tons	3,229,635	906,283	356.4
17.	<u>M.S.PRODUCTS</u>	28	4.88				
i.	M.S PRODUCTS		4.88	M.Tons	41,448	30,316	136.7
18.	<u>STEEL PRODUCTS</u>	2	1.02				
i.	STEEL PRODUCTS		1.02	M.Tons	11,501	-	0.0
19.	<u>SAFETY RAZOR BLADE</u>	1	0.40				
i.	SAFETY RAZOR BLAD		0.04	"000" NOs.	516,902	449,516	115.0
20.	<u>SEWING MACHINES</u>	3	0.25				
i.	SEWING MACHINES		0.25	Nos.	10,173	20,540	49.5
21.	<u>ELEC. APPLIANCES</u>	3	2.21				
i.	REFRIGERATORS		0.11	Nos.	295,335	311,320	94.9
ii.	AIR-CONDITIONERS		0.60	Nos.	58,964	28,575	206.3
iii.	DEEP FREEZERS		0.50	Nos.	9,251	5,089	181.8
iv.	WASHING MACHINES		0.50	Nos.	206,034	169,908	121.3
v.	MICROWAVE OVEN		0.50	Nos.	271,939	212,798	127.8
22.	<u>AUTOMOBILE</u>	17	11.15				
i.	TRUCKS		2.71	Nos.	1,738	2,050	84.8
ii.	BUSES		0.77	Nos.	332	364	91.2
iii.	LCV'S		2.50	Nos.	10,417	8,558	121.7
iv.	MOTOR CYCLES		2.06	Nos.	1,175,562	897,063	131.0
v.	TRACTORS		0.25	Nos.	26,818	17,344	154.6
vi.	CARS		0.50	Nos.	75,867	72,337	104.9
vii.	VANS & JEEPS		1.18	Nos.	5,389	2,480	217.3
viii.	THREE WHEELERS		1.18	Nos.	32,827	21,984	149.3
	Grand Total	537	70.65				

Table 5: Employment in Selected Large-Scale Manufacturing Sector, January-2021 Vs December-2020

Sr. No.	Industrial Sector/ Items	No. of Industrial Units as per CMI 2005-06	Total Employees		Production Worker	
			Jan:2021	Dec:2020	Jan:2021	Dec:2020
1	<u>VEGETABLE GHEE</u>	35	2,182	2,234	1,561	1,596
2	<u>SUGAR</u>	26	10,379	10,240	6,626	6,489
3	<u>TEA</u>	7	3,162	3,101	2,730	2,669
4	<u>BEVERAGES</u>	13	3,443	3,592	1,451	1,040
5	<u>COTTON TEXTILE</u>	133	53,107	53,290	40,809	41,015
6	<u>LEATHER TANNING</u>	30	6,554	6,690	5,524	5,617
7	<u>PAPER & PAPER BOARD</u>	6	2,078	2,160	1,492	1,536
8	<u>PHARMACEUTICALS</u>	78	6,511	6,442	3,071	3,116
9	<u>ACID, ALKALIES & SALT</u>	3	18	18	13	13
10	<u>FERTILIZER</u>	3	974	974	815	815
11	<u>PAINTS & VARNISH</u>	9	103	103	50	50
12	<u>SOAP</u>	38	2,705	2,271	1,569	1,659
13	<u>PETROLEUM PRODUCTS</u>	2	430	431	333	333
14	<u>TYRES & TUBES</u>	4	5,676	5,712	4,044	4,060
15	<u>CEMENT</u>	11	4,802	4,799	2,045	2,042
16	<u>STEEL PRODUCTS</u>	2	225	225	81	143
17	<u>M.S PRODUCTS</u>	28	1,083	1,083	1,017	844
18	<u>SAFETY RAZOR BLAD</u>	1	287	265	265	243
19	<u>SEWING MACHINES</u>	3	411	410	354	354
20	<u>ELEC. APPLIANCES</u>	3	750	750	663	663
21	<u>AUTOMOBILE</u>	17	16,846	15,832	11,865	7,486
22	<u>STORAGE BATTERIES</u>	4	1,817	1,817	1,597	1,597
	Grand Total	456	123,542	122,438	87,974	83,379

Table 6: Employment in Selected Large-Scale Manufacturing Sector, January-2021 Vs January-2020

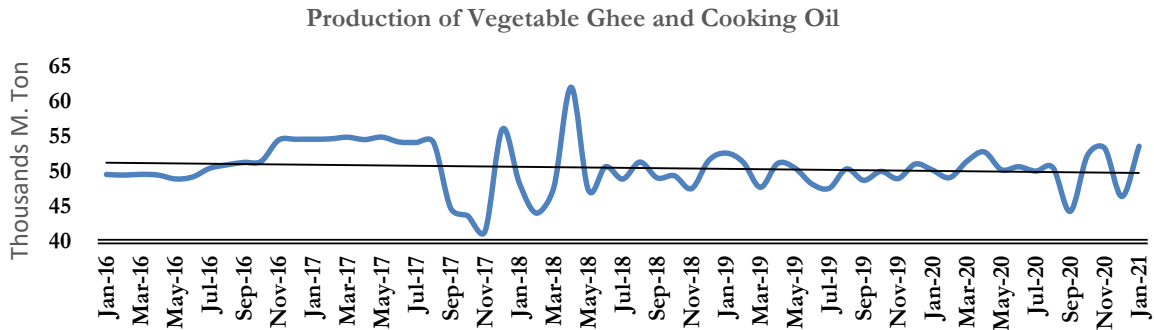
Sr. No.	Industrial Sector/ Items	No. of Industrial Units as per CMI 2005-06	Employees		Production Worker	
			Jan:2021	Jan:2020	Jan:2021	Jan:2020
1	<u>VEGETABLE GHEE</u>	35	2,182	2,258	1,561	1,559
2	<u>SUGAR</u>	26	10,379	9,309	6,626	6,067
3	<u>TEA</u>	7	3,162	3,103	2,730	2,644
4	<u>BEVERAGES</u>	13	3,443	3,427	1,451	1,461
5	<u>COTTON TEXTILE</u>	133	53,107	53,401	40,809	41,202
6	<u>LEATHER TANNING</u>	30	6,554	6,430	5,524	5,364
7	<u>PAPER & PAPER BOARD</u>	6	2,078	2,256	1,492	1,610
8	<u>PHARMACEUTICALS</u>	78	6,511	6,229	3,071	3,656
9	<u>ACID, ALKALIES & SALT</u>	3	18	34	13	22
10	<u>FERTILIZER</u>	3	974	948	815	786
11	<u>PAINTS & VARNISH</u>	9	103	106	50	57
12	<u>SOAP</u>	38	2,705	2,086	1,569	1,817
13	<u>PETROLEUM PRODUCTS</u>	2	430	434	333	336
14	<u>TYRES & TUBES</u>	4	5,676	5,724	4,044	4,044
15	<u>CEMENT</u>	11	4,802	4,402	2,045	1,877
16	<u>STEEL PRODUCTS</u>	2	225	9,149	81	6,191
17	<u>M.S PRODUCTS</u>	28	1,083	827	1,017	670
18	<u>SAFETY RAZOR BLAD</u>	1	287	288	265	251
19	<u>SEWING MACHINES</u>	3	411	416	354	360
20	<u>ELECTRICAL APPARATUS</u>	3	750	750	663	663
21	<u>AUTOMOBILE</u>	17	16,846	14,919	11,865	6,825
22	<u>STORAGE BATTERIES</u>	4	1,817	2,119	1,597	1,648
	Grand Total	456	123,542	128,616	87,974	89,108

Table 7: Average Monthly Employment in Selected Large Scale Manufacturing Sector,
2020-21 (Jul to Jan) Vs 2019-20 (Jul to Jan)

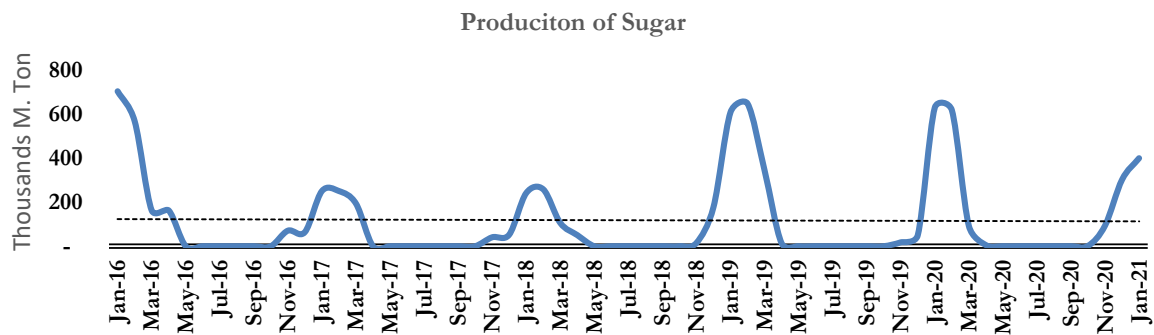
Sr. No.	Industrial Sector/ Items	No. of Industrial Units as per CMI 2005-06	Average Monthly Total Employment		Average Monthly Production Worker	
			(Jul-Jan) 2020-21	(Jul-Jan) 2019-20	(Jul-Jan) 2020-21	(Jul-Jan) 2019-20
1	<u>VEGETABLE GHEE</u>	35	2,525	2,228	1,412	1,620
2	<u>SUGAR</u>	26	7,781	8,645	5,897	5,398
3	<u>TEA</u>	7	3,099	3,113	2,655	1,983
4	<u>BEVERAGES</u>	13	3,275	2,869	1,251	1,017
5	<u>COTTON TEXTILE</u>	133	53,465	54,622	41,087	42,552
6	<u>LEATHER TANNING</u>	30	6,698	6,609	5,615	5,544
7	<u>PAPER & PAPER BOARD</u>	6	2,157	2,257	1,538	1,639
8	<u>PHARMACEUTICALS</u>	78	6,560	6,196	3,143	3,392
9	<u>ACID, ALKALIES & SALT</u>	3	18	34	13	22
10	<u>FERTILIZER</u>	3	980	960	814	795
11	<u>PAINTS & VARNISH</u>	9	104	106	51	57
12	<u>SOAP</u>	38	2,114	2,655	1,655	2,331
13	<u>PETROLEUM PRODUCTS</u>	2	432	433	333	340
14	<u>TYRES & TUBES</u>	4	5,669	5,882	4,039	4,134
15	<u>CEMENT</u>	11	5,043	4,624	2,217	1,960
16	<u>STEEL PRODUCTS</u>	1	163	9,357	96	6,344
17	<u>M.S PRODUCTS</u>	28	1,081	827	865	670
18	<u>SAFETY RAZOR BLAD</u>	1	275	288	247	254
19	<u>SEWING MACHINES</u>	3	410	416	354	360
20	<u>ELECTRICAL APPARATUS</u>	3	750	750	663	663
21	<u>AUTOMOBILE</u>	17	16,019	15,037	8,167	6,883
22	<u>STORAGE BATTERIES</u>	4	1,728	2,128	1,618	1,653
	Grand Total	455	120,346	130,037	83,731	89,611

5. Time Series Graphs of Important Industrial Sectors/ Products

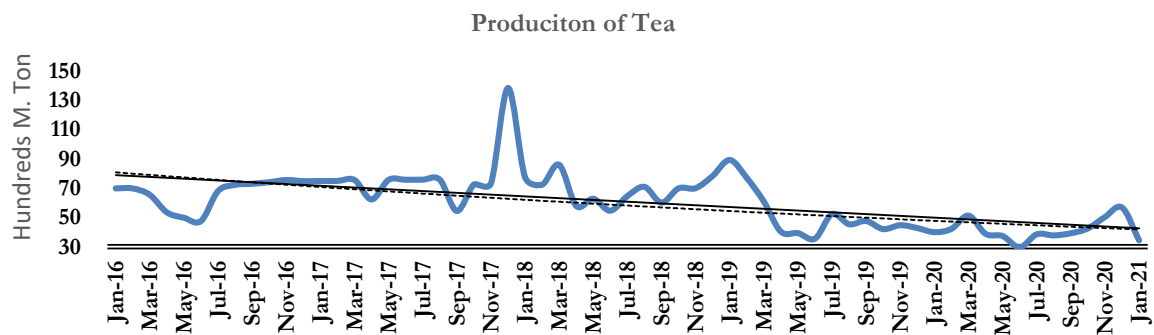
Vegetable Ghee and Cooking Oil:



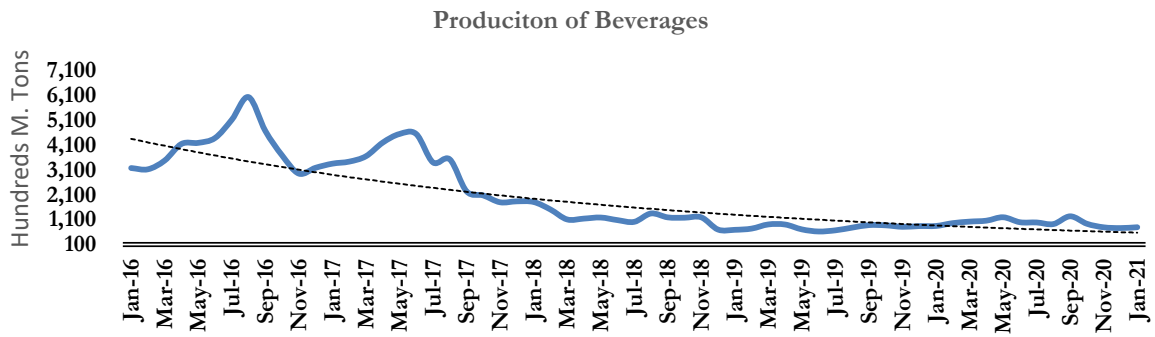
Sugar:



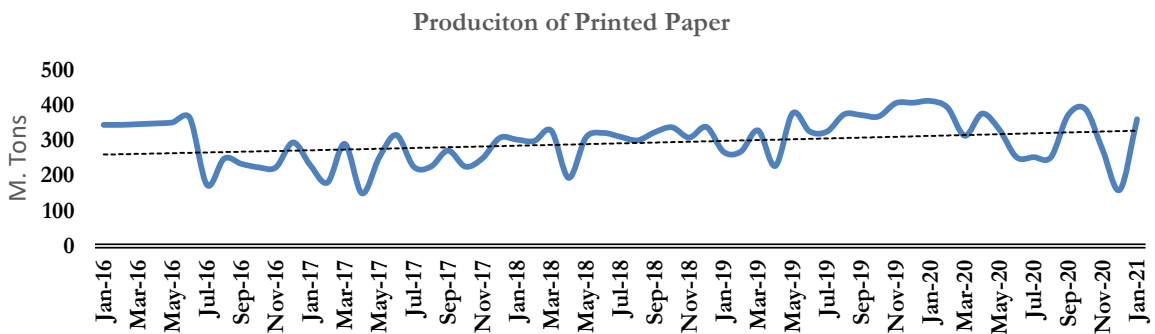
Tea:



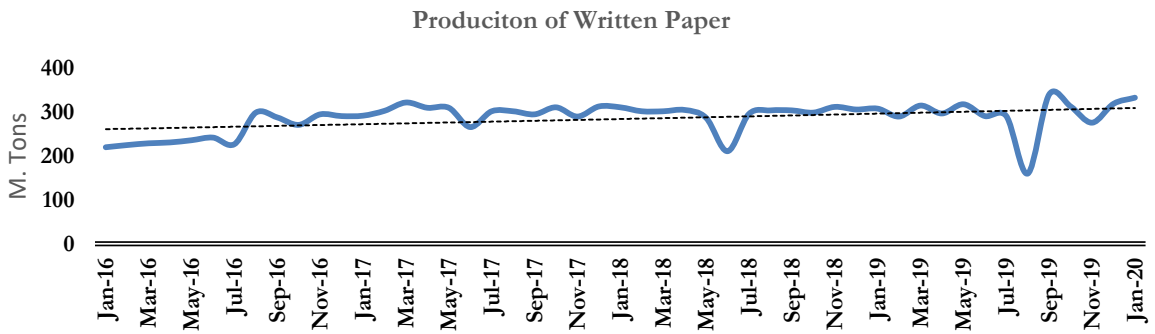
Beverages:



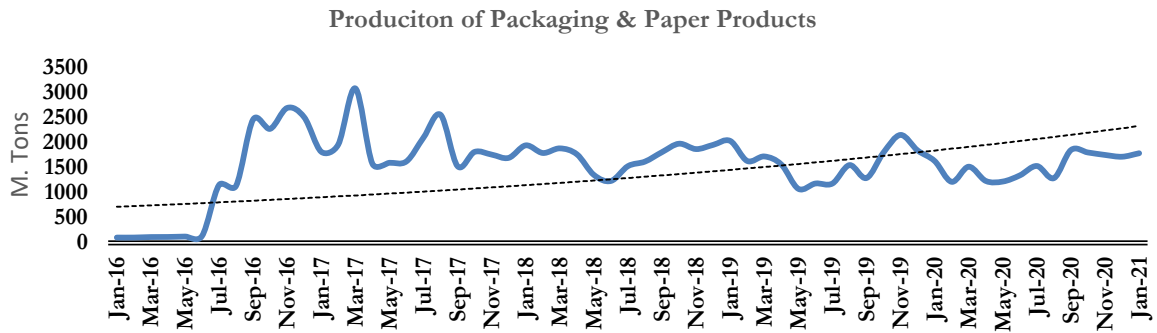
Paper Printing:



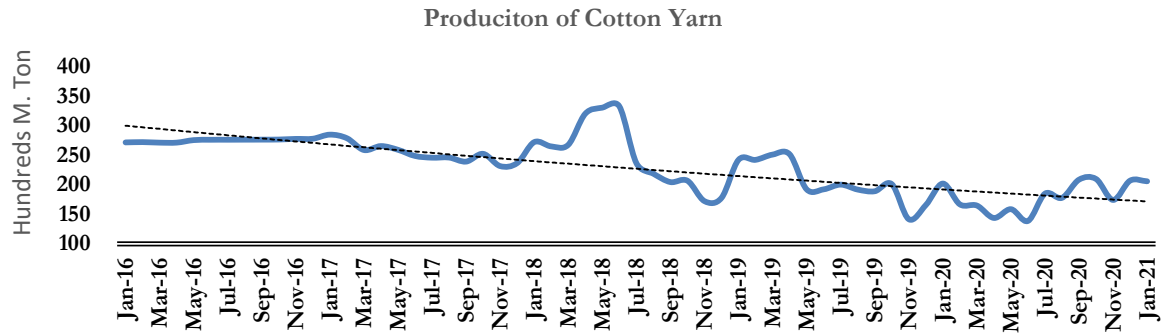
Written Paper:



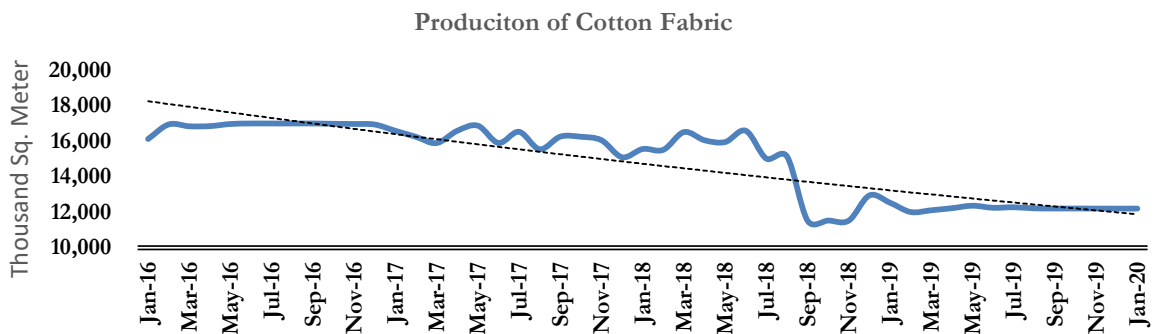
Packaging and Paper Products:



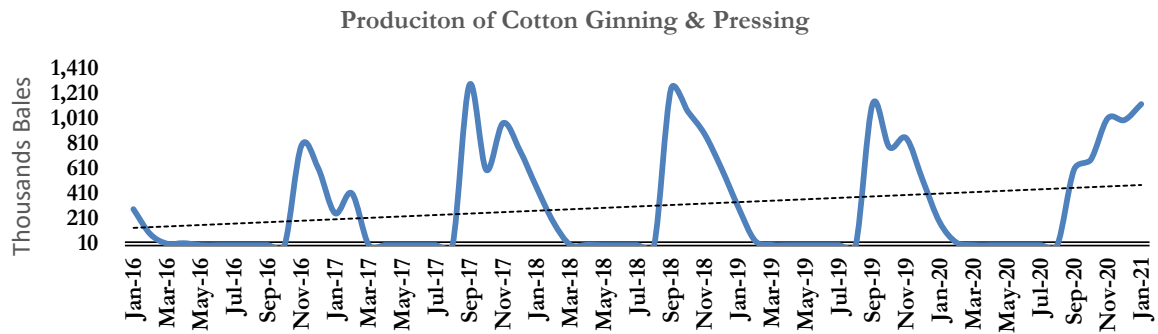
Cotton Textile:



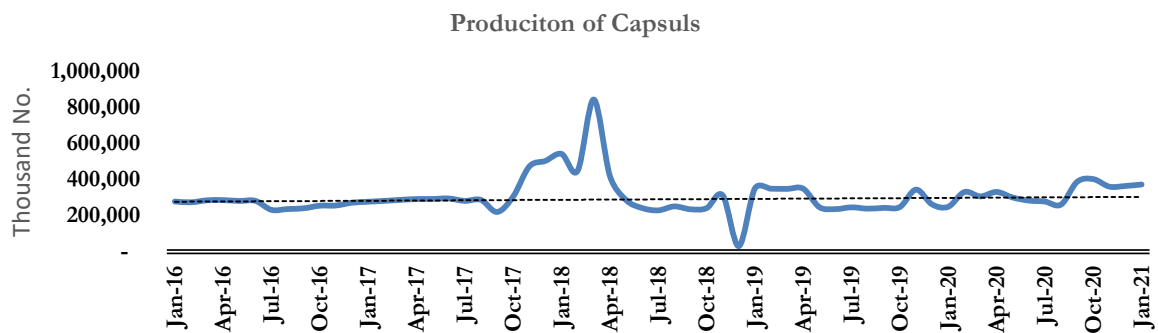
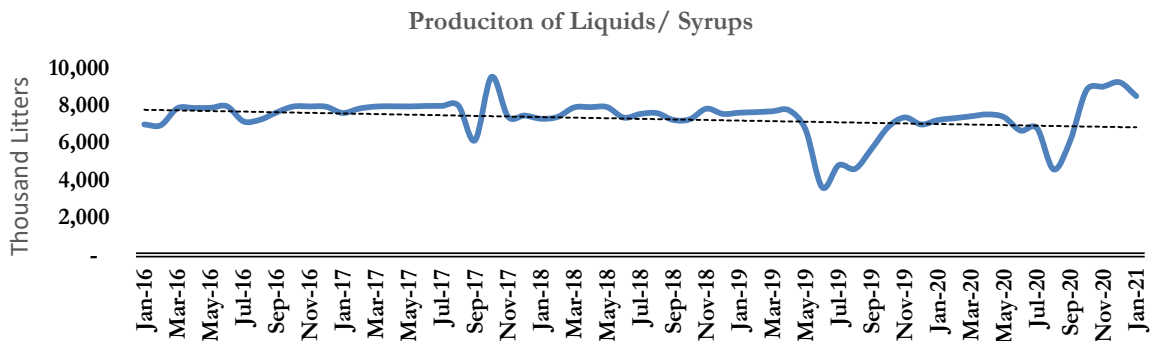
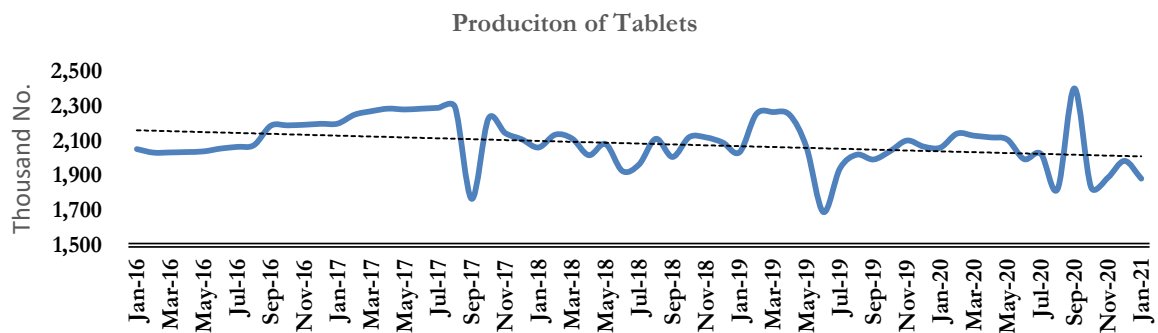
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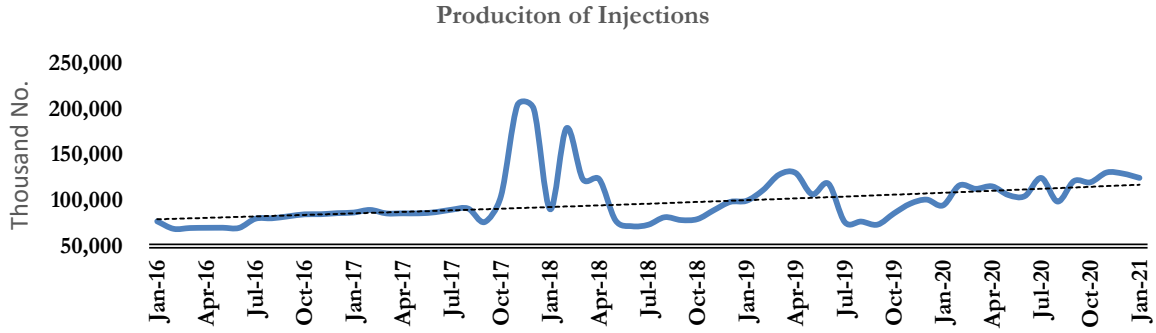


Cotton Ginning & Pressing:

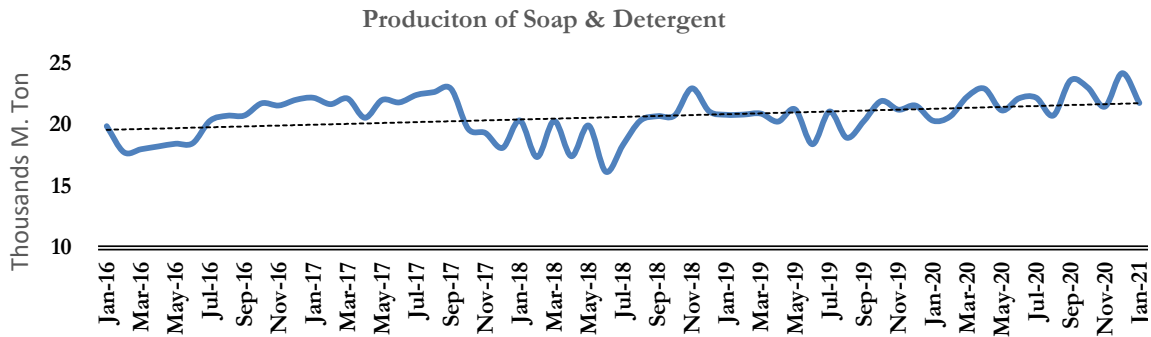


Pharmaceutical:

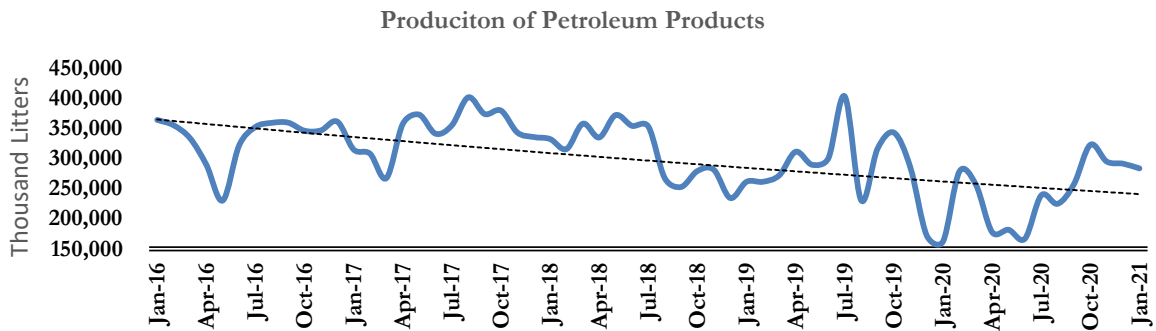




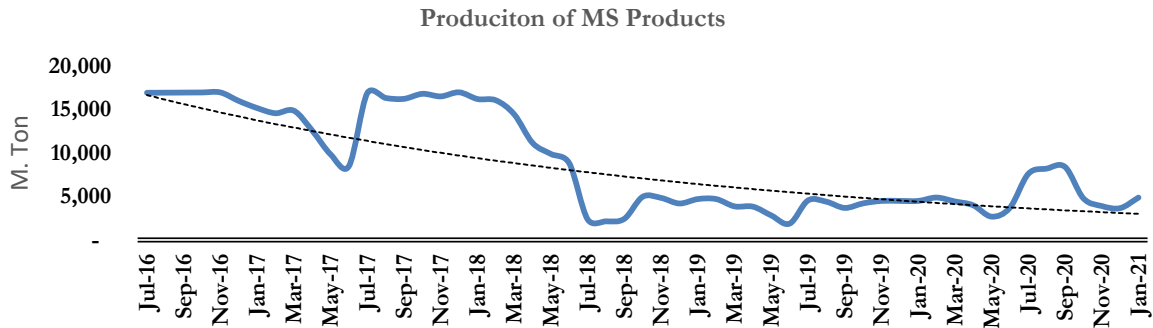
Soap & Detergent:



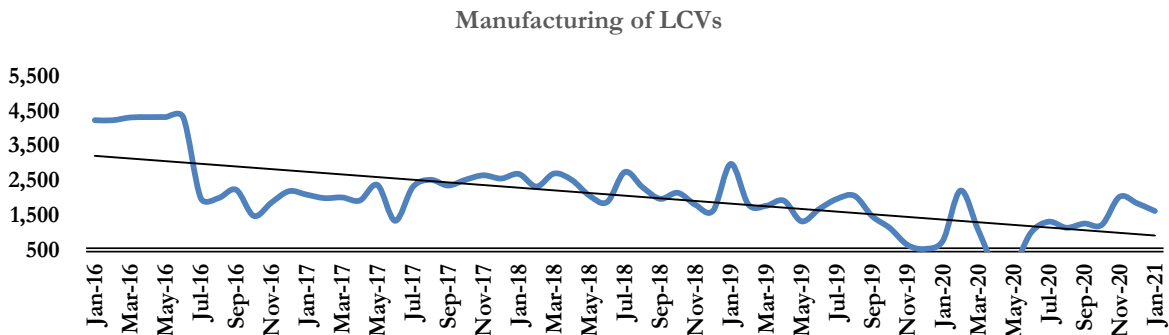
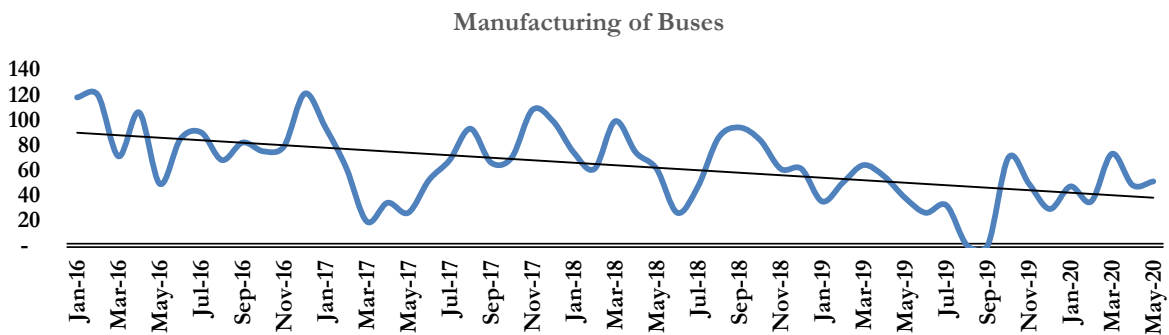
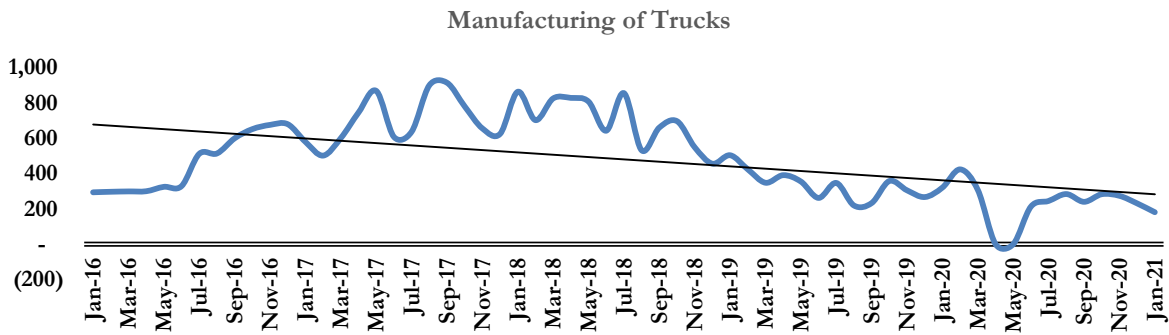
Petroleum Products:



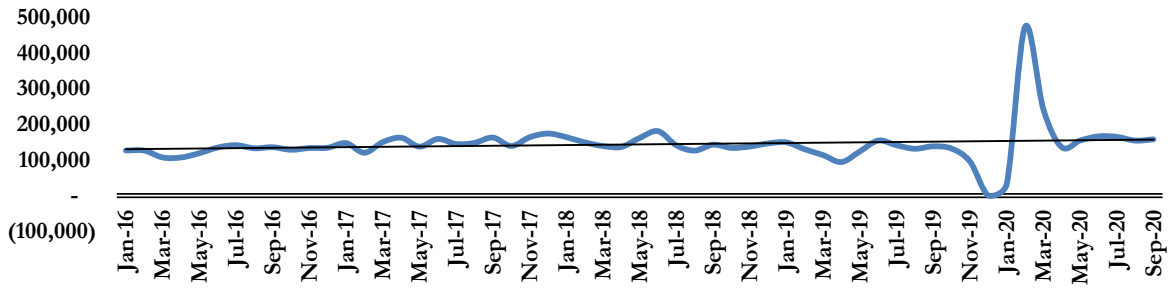
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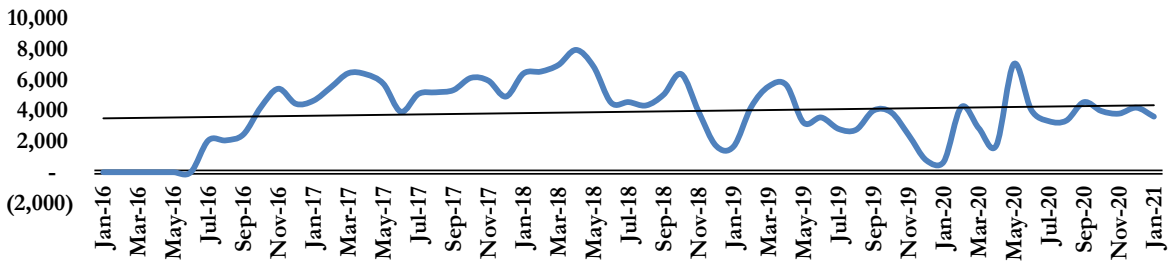
Automobile:



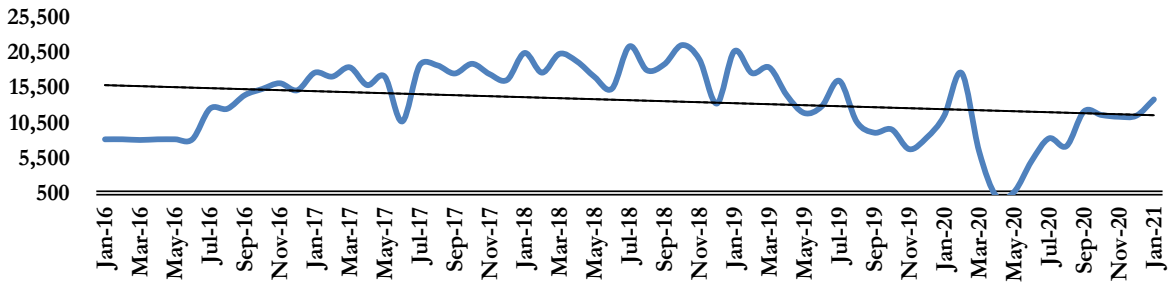
Manufacturing of Motor Cycles



Manufacturing of Tractors



Manufacturing of Cars



Annexure – A: Proforma/ Questionnaire



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

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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**

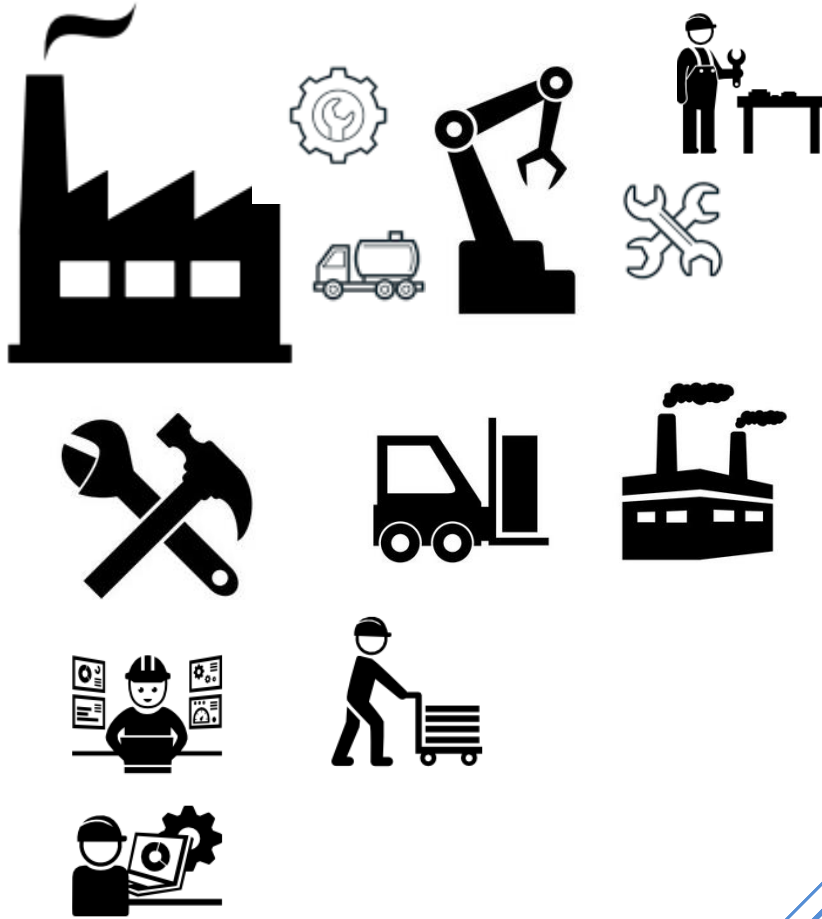
Are engaged in work directly associated with production like manufacturing, assembling, packing, repairing etc. Working supervisors and persons engaged for repairs and maintenance are also included.

- **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.



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