

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



MIPE
June, 2023

**MONTHLY
INDUSTRIAL
PRODUCTION &
EMPLOYMENT
SURVEY**



Monthly Survey of Industrial Production & Employment (MIPE) June, 2023

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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. This report provides important statistics in respect of industrial production & employment of large Scale Manufacturing (LSM) industries in Sindh.

This report contains information on 65 items manufactured in 17 selected large scale industrial sectors covering 641 industrial establishments (selection on the basis of CMI 2015-16). These industries account for 84.0% 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 2015-16, 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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1. Introduction

A robust manufacturing sector promotes domestic production, exports and generates employment, hence stimulates the overall growth of an economy. In Pakistan, manufacturing sector contributes 12.4% to Gross Domestic Product (GDP) dominates the overall manufacturing sector and the sector employs 14.9 % of the country's labor force. Manufacturing sector traditionally can be divided into 2 main sub-sectors; Large Scale Manufacturing (LSM) and Small & Household Manufacturing industries. The Census of Manufacturing Industries (CMI) focuses on the production of Large Scale Manufacturing Industries (LSM). It provides the measure of manufacturing industry outputs and operating status and reliable source for updating the Business Register (BR). According to the Pakistan Economic Survey 2021-22, manufacturing sector has a share of 65% in Industry. Industrial sector performance is more dependent on Large-Scale Manufacturing Industries (LSM) as it holds 74.0% share in Industry whereas LSM is reflected by Quantum Index of Manufacturing (QIM) data. For the compilation of Quantum Index of Manufacturing (QIM) of Pakistan as well as the Sindh is concerned, a fresh sample of 685 units was drawn by the Pakistan Bureau of Statistics (PBS) for the computation of Sindh QIM and the sample covers 83.9% of total of Sindh.

2. Manufacturing Activity

Manufacturing activity is can be defined as the process of making new organic or inorganic articles by chemical or mechanical conversion whether the efforts are carried out by hand or through driven machine at any place either in a factory or in the worker's house. Manufacturing activities include treating, processing, assembling, repairing and services

3. Scope and Coverage

The Census of Large-Scale Manufacturing Industries is conducted by Pakistan Bureau of Statistics (PBS) after every five years with manufacturing establishments classified under (10 to 33 division) Pakistan Standard Industrial Classification (PSIC-2010) based on UN-ISIC.Rev.4. Quantum Index of Manufacturing (QIM) is a measure of LSM performance with 83.9 weight in overall LSM and derived from the Census of Manufacturing Industries (CMI) 2015-16.

The role of Sindh province in the Large Scale Manufacturing is very vital. However, Sindh QIM's trend of overall manufacturing index has random behavior with ups and downs; which main cause in last year is COVID-19 and recession in economy. 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 during the field operation CMI 2015-16 started from January, 2017 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 65 items manufactured in 17 large scale Industrial sectors from 6299 establishments/ factories in Sindh.

Table. 1. District wise number of Manufacturing Establishments covered in CMI

S/No.	District	2005-06	2015-16
01	Badin	6	131
02	Dadu	83	79
03	Ghoti	41	60
04	Hyderabad	98	397
05	Jacobabad	97	10
06	Jamshoro	-	125 ¹
07	Karachi Central		1,054
08	Karachi East		252
09	Karachi Korangi		1,123
10	Karachi Malir	1,198*	181
11	Karachi South		322
12	Karachi West		1,383
13	Kashmore	-	42 ²
14	Khairpur	15	44
15	Larkana	84	97
16	Matiali	-	11
17	MripurKhas	22	53
18	NaushahroFeroze	18	51
19	Sanghar	43	138
20	ShahdadKot	-	82 ²
21	ShaheedBenazirabad	24	115
22	Shikarpur	25	68
23	Sukkur	54	157
24	TandoAllahyar	-	49 ³
25	Tando Muhammad Khan	-	21 ³
26	Tharparkar	-	25 ⁴
27	Thatta	17	186
28	UmerKot	-	43 ⁴
	Total	1,825	6,299

*Number of establishments combined for overall Karachi in CMI 2005-06.

1. The district was created after the CMI 2005-06, from Dadu district.
2. These district was created after the CMI 2005-06, from Jacobabad district.
3. These district was created after the CMI 2005-06, from Hyderabad district.
4. These district was created after the CMI 2005-06, from Mirpurkhas district. *Source: CMI 2005-06 & 2015-16*

4. Industrial Classification

For classification of manufacturing activities, Pakistan Standard Industrial Classification (PSIC) 2010, obtained from UN International Standard Industrial Classification ISIC Rev-4, has been used. The PSIC 2010 is an updated version of ISIC Rev.4 from 4 digits to 5-digit level.

5. Frame of Sindh CMI 2015-16

In the Census of Large-Scale Manufacturing Industries (CMI 2015-16) the total frame of LSM stands at 6299. Sindh Bureau of Statistics has covered 2517 which is 40% response.

Table. 2. District wise number of Manufacturing Establishments covered in CMIs

Major Industry Groups	No. of Covered Establishments		
	Pakistan	Sindh	
	2015-16	2005-06	2015-16
Food Manufacturing	3638	556	1,682
Beverages	80	13	38
Tobacco	14	3	10
Textiles	4887	447	1,479
Wearing Apparel (Except Footwear)	1571	165	652
Leather & Leather Products including Footwear	655	30	111
Wood & Wood Products	362	19	29
Furniture	1154	17	31
Paper and Paper Products	492	29	202
Printing & Publishing	275	37	121
Drugs and Pharmaceutical Products	409	78	211
Industrial Chemicals	590	66	265
Petroleum & Miscellaneous Products	44	11	30
Rubber Products	801	51	215
Other Non-Metallic Mineral Products	3949	35	548
Iron, Steel & Non-ferous Metals	656	44	126
Fabricated Metal Products	1245	42	53
Non-Electrical Machinery	624	43	97
Electrical Machinery and Supplies	498	17	87
Vehicles, Transport and Equipment's	653	69	248
Scientific, Photographic & Optical	28	4	6
All others	1087	49	164
Total	23,712	1825	6299

Source: CMI 2005-06 & 2015-16

6. Methodology and Questionnaire

6.1. 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.

6.2. 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.

6.3. 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.

7. 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 (2015-16)

w_i = Weight of the i^{th} item in the base period (2015-16)

$\sum_{i=1}^n w_i$ = Total Weight of 17 large scale industrial sectors covering 641 establishments in the base period with respect to the total value added of all the industries covered in CMI in the base year 2015-16.

8. Report Analysis

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

- Overall Production in month of June, 2023 is increased by 3.89% as compared to last month of May, 2023.
- Production in manufacturing sector for the month of June, 2023 is significantly decreased 7.46% as compared to corresponding month of last year.
- Cumulative production from July to June (2022-23) is increased by 12.4% than the cumulative production of July- June (2021-22).
- Large Scale Manufacturing employment during June, 2023 is increased by 1.96% as compared to previous month.
- Employment in manufacturing sector for the month of June, 2023 is declined by 2.8% as compared to corresponding month of last year.

Table 3: Series of Quantum Index of Manufacturing (QIM) at (2015-16=100)

Month/ Year	2021-22	2022-23
July	106.3	148.9
August	107.1	148.2
September	107.5	147.4
October	126.7	147.4
November	134.7	140.4
December	134.0	148.5
January	136.1	154.5
February	139.8	156.6
March	149.8	167.0
April	139.0	154.4
May	147.1	139.1
June	157.0	144.9
Average (Geometric Mean)	131.0	149.6

QIM figures at the new base (i.e. 2015-16) are revisited after a one-year exercise of data collection. In the revisiting exercise the firms' data was updated with the repeated values and the response rate of monthly data collection was increased.

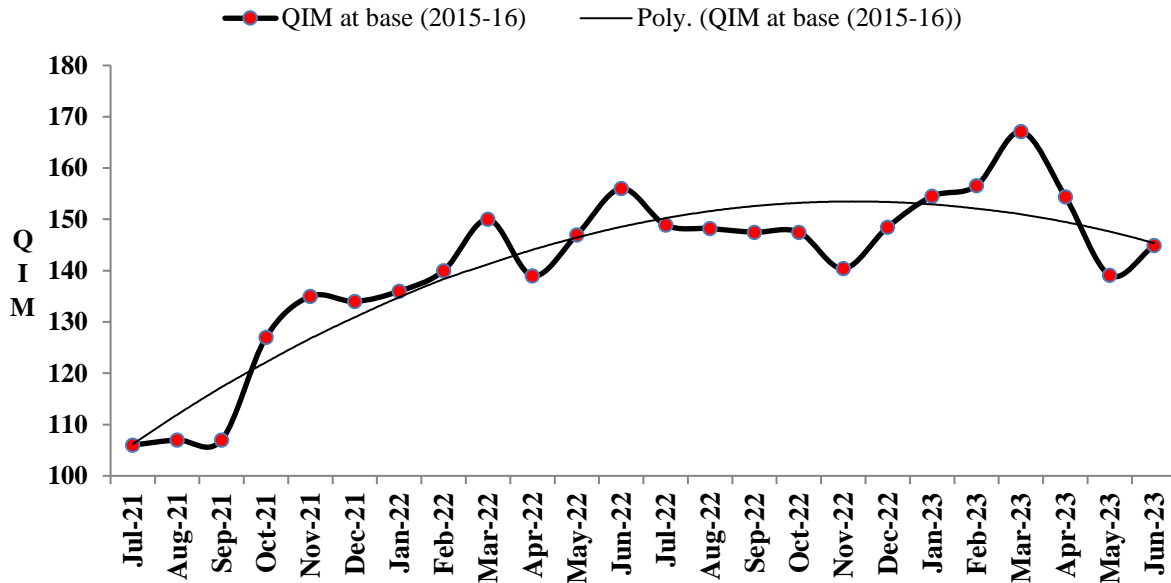


Figure 1: Trend of Quantum Index of Large Scale Manufacturing Industries at base year 2015-16

Current month QIM index value showed mix trend like previous months. Overall, 3.89% increase observed for month to month comparison while this production 7.46% down from last year of corresponding month. Production’s growth have been observed in petroleum, chemical products, detergent, cements and marble and decrease observed in beverages, paper product and food sectors.

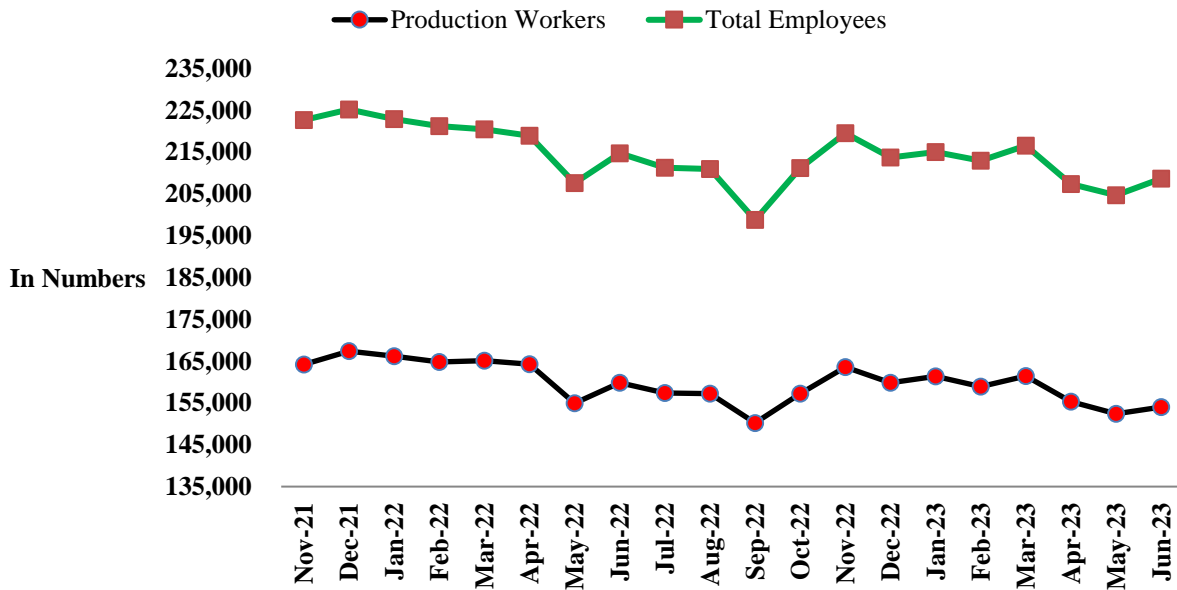


Figure 2: Trend of Average Monthly Employment in Large Scale Manufacturing Industries QIM 2015-16

Overall employment is showing very slight change. In current month, production and non-production worker increased with almost equal rate from previous month. Month-wise, only textile sector showed significant escalation in employment whereas employment are decreased in food, textile and wearing apparel sectors.

Table 4: Production of Selected Items Pertaining to Large-Scale Manufacturing Sector, June-2023 Vs May-2023

Sr. No.	Industrial Sector/ Items	PISIC	Sampled Industrial Units (CMI 2015-16)	WEIGHT (2015-16)	Unit of Quantity	Production		Index of Production in June:2023 with May:2023
						June:2023	May:2023	
1.	<u>FOOD PRODUCTS</u>		209	12.3				
i.	Vegetable Ghee	10401	25	2.1	M.Tons	44,512	43,657	102.0
ii.	Cooking Oil	10401	25	2.1	M.Tons	35,947	36,044	99.7
iii.	Liquid Milk	10501	3	1.1	"000" Liters.	6,984	8,217	85.0
iv.	Wheat & Grain Milling	10611	36	0.6	M.Tons	21,127	19,163	110.2
v.	Rice Milling	10612	65	1.9	M.Tons	1,017	1,196	85.0
vi.	Biscuits & Rusk	10713	12	1.3	M.Tons	8,762	8,633	101.5
vii.	Sugar	10721	27	1.3	M.Tons	-	-	-
viii.	Chocolate & sugar confectionery	10732	6	0.6	M.Tons	351	456	77.0
ix.	Tea	10792	4	1.1	M.Tons	3,467	4,109	84.4
x.	Animal/ Poultry Feeds	10802	6	0.3	M.Tons	135	128	105.5
2.	<u>BEVERAGES</u>		7	0.5				
i.	Mineral/ Bottled Waters	11042	4	0.1	"000" NOs.	76,934	76,758	100.2
ii.	Soft Drinks	11043	3	0.4	"000" NOs.	80,313	108,603	74.0
3.	<u>TEXTILES</u>		128	17.6				
i.	Knitting Wool (Cotton Yarn)	13112	52	7.4	M.Tons	31,900	37,633	84.8
ii.	Woolen Worsted Cloth (Cotton Fabric)	13121	45	8.0	"000" Sq. M	82,271	73,279	112.3
iii.	Terry Towel and Bath Robes (MM Yarn)	13129	21	1.2	M.Tons	12,425	12,602	98.6
iv.	Woolen Blankets	13921	10	1.0	000Nos.	955	1,123	85.0
4.	<u>WEARING APPAREL</u>		56	10.0				
i.	Garments	14102	51	9.3	Dozen	461,425	542,923	85.0
ii.	Hosiery, socks, tights etc.	14302	5	0.7	Dozen	86,804	77,221	112.4
5.	<u>LEATHER & RELATED PRODUCTS</u>		15	0.4				
i.	Finished Leather/ Upper Leather	15111	15	0.4	"000" Sq. M.	462	485	95.3
6	<u>WOOD & WOOD WORKS</u>		2	0.1				
i.	Plywood	16212	2	0.1	"000" Sq.ft	3	4	75.0
7.	<u>PAPER & PAPER PRODUCTS</u>		13	2.2				
i.	Paper/ Paper Board (Writing Paper)	17013	3	0.8	M.Tons	470	500	94.0
ii.	Corrugated paper/ paperboard containers (Packaging)	17021	10	1.4	M.Tons	3,563	3,750	95.0
8.	<u>PRINTING & RECORDED MEDIA</u>		17	0.9				
i.	Printing of Newspapers/ magazines	18111	5	0.5	M.Tons	560	589	95.1
ii.	Printing of books, brochures, maps etc. (Advertising Material)	18112	10	0.1	M.Tons	481	512	93.9
iii.	Printing of postage stamps, cheques etc. (Printing Papers)	18113	2	0.3	M.Tons	343	361	95.0
9.	<u>COKE & REFINED PETROLEUM PRODUCTS</u>		9	12.4				
i.	Motor Sprit	19201	3	5.6	"000" Liters.	22,533	14,671	153.6
ii.	Kerosene oil	19201	3	5.6	"000" Liters.	356	-	-
iii.	L.P.G	19203	9	0.1	"000" Liters.	1,637	846	193.5
iv.	Naphtha Solvent	19203	9	0.1	"000" Liters.	2,362	1,930	122.4
v.	H.S.D	19203	9	0.1	"000" Liters.	108,415	81,969	132.3
vi.	Furnace Oil	19203	9	0.1	"000" Liters.	57,530	27,307	210.7
vii.	ASPHALT 80-100	19203	9	0.1	"000" Liters.	-	-	-
viii.	ASPHALT 60-70	19203	9	0.1	"000" Liters.	11,139	13,074	85.2
ix.	Jet Fuel	19203	9	0.1	"000" Liters.	15,480	10,364	149.4
x.	Lubricating Oil	19203	9	0.1	"000" Liters.	12,298	12,425	99.0
xi.	Others Petroleum Products	19203	9	0.1	"000" Liters.	30,510	17,015	179.3

Sr. No.	Industrial Sector/ Items	PISIC	Sampled Industrial Units (CMI 2015-16)	WEIGHT (2015-16)	Unit of Quantity	Production		Index of Production in June:2023 with May: 2023
						June:2023	May:2023	
10.	<u>CHEMICALS & CHEMICALS PRODUCTS</u>		14	5.8				
i.	Sulphuric/ Hydrochloric Acid/ Alum Sulphate	20115	5	0.4	M.Tons	6,210	6,190	100.3
ii.	Urea	20121	3	1.1	M.Tons	335,072	249,800	134.1
iii.	Ammonia	20121	3	1.1	M.Tons	50,929	74,282	68.6
iv.	DAP	20121	3	1.1	M.Tons	25,738	34,159	75.3
v.	Washing Soap	20232	6	0.8	M.Tons	7,659	6,724	113.9
vi.	Toilet Soap	20232	6	0.8	M.Tons	3,820	3,322	115.0
vii.	Detergent Powder	20234	4	0.5	M.Tons	30,620	36,023	85.0
11.	<u>PHARMACEUTICAL PRODUCTS</u>		41	8.5				
i.	Tablets	21001	41	1.7	"000" NOs.	2,381,800	2,312,503	103.0
ii.	Liquid / Syrups	21001	41	1.7	"000" Liters.	43,300	44,686	96.9
iii.	Injections	21001	41	1.7	"000" NOs.	65,258	67,124	97.2
iv.	Capsules	21001	41	1.7	"000" NOs.	190,212	184,709	103.0
v.	Ointments	21001	41	1.7	KGs.	214,415	276,801	77.5
12.	<u>RUBBER & PLASTIC PRODUCTS</u>		23	1.8				
i.	Motor Tires	22111	2	0.3	Nos.	108,186	151,637	71.3
ii.	Plastic Products	22201	21	1.5	M.Tons	4,887	5,688	85.9
13.	<u>OTHER NON-METALIC MINERAL PRODUCTS</u>		19	1.7				
i.	Cement	23941	5	1.6	M.Tons	720,894	682,696	105.6
ii.	Marble	23961	14	0.1	M.Tons	349	332	105.1
14.	<u>BASIC IRON & STEEL METALS</u>		13	3.1				
i.	Steel Products	24104	3	0.3	M.Tons	12,954	14,288	90.7
ii.	M S Products	24106	10	2.8	M.Tons	13,216	15,243	86.7
15.	<u>FABRICATED METALS PRODUCTS</u>		1	0.4				
i.	Safety Razor Blades	25931	1	0.4	"000" Nos.	46,784	48,876	95.7
16.	<u>ELECTRICAL EQUIPMENT</u>		8	0.4				
i.	Insulated Wire & Cables	27320	8	0.4	M.Tons	4,371	4,790	91.3
17.	<u>MOTOR VEHICLES & PARTS</u>		60	5.8				
i.	Trucks	29101	13	0.4	Nos.	193	168	114.9
ii.	Buses	29101	13	0.4	Nos.	166	195	85.1
iii.	LCV'S	29101	13	0.4	Nos.	251	218	115.1
iv.	Tractors	29101	13	0.4	Nos.	2,503	2,945	85.0
v.	Cars	29101	13	0.4	Nos.	4,329	5,093	85.0
vi.	Vans & Jeep	29101	13	0.4	Nos.	1,544	1,343	115.0
vii.	Three Wheelers	29101	13	0.4	Nos.	1,215	1,056	115.1
viii.	Auto parts	29301	28	2.2	000'Nos.	9,486	8,249	115.0
ix.	Motor Cycles	30911	19	0.5	Nos.	95,509	100,536	95.0
18.	<u>FURNITURE</u>		6	0.1				
i.	Sofa, Iron Chairs	31001	6	0.1	Nos.	319	304	104.9
			641	84.0				

Table 5: Production of Selected Items Pertaining to Large-Scale Manufacturing Sector, June-2023 Vs June-2022

Sr. No.	Industrial Sector/ Items	PISIC	Sampled Industrial Units (CMI 2015-16)	WEIGHT (2015-16)	Unit of Quantity	Production		Index of Production in June:2023 with June:2022
						June:2023	June:2022	
1.	<u>FOOD PRODUCTS</u>		209	12.3				
i.	Vegetable Ghee	10401	25	2.1	M.Tons	44,512	27,377	162.6
ii.	Cooking Oil	10401	25	2.1	M.Tons	35,947	23,097	155.6
iii.	Liquid Milk	10501	3	1.1	"000" Liters.	6,984	12,011	58.1
iv.	Wheat & Grain Milling	10611	36	0.6	M.Tons	21,127	25,118	84.1
v.	Rice Milling	10612	65	1.9	M.Tons	1,017	1,003	101.4
vi.	Biscuits & Rusk	10713	12	1.3	M.Tons	8,762	13,343	65.7
vii.	Sugar	10721	27	1.3	M.Tons	-	-	-
viii.	Chocolate & sugar confectionery	10732	6	0.6	M.Tons	351	311	112.9
ix.	Tea	10792	4	1.1	M.Tons	3,467	2,704	128.2
x.	Animal/ Poultry Feeds	10802	6	0.3	M.Tons	135	187	72.2
2.	<u>BEVERAGES</u>		7	0.5				
i.	Mineral/ Bottled Waters	11042	4	0.1	"000" NOs.	76,934	41,618	184.9
ii.	Soft Drinks	11043	3	0.4	"000" NOs.	80,313	76,881	104.5
3.	<u>TEXTILES</u>		128	17.6				
i.	Knitting Wool (Cotton Yarn)	13112	52	7.4	M.Tons	31,900	40,112	79.5
ii.	Woolen Worsted Cloth (Cotton Fabric)	13121	45	8.0	"000" Sq. M	82,271	77,669	105.9
iii.	Terry Towel and Bath Robes (MM Yarn)	13129	21	1.2	M.Tons	12,425	11,162	111.3
iv.	Woolen Blankets	13921	10	1.0	000'Nos.	955	1,346	71.0
4.	<u>WEARING APPAREL</u>		56	10.0				
i.	Garments	14102	51	9.3	Dozen	461,425	691,389	66.7
ii.	Hosiery, socks, tights etc.	14302	5	0.7	Dozen	86,804	135,000	64.3
5.	<u>LEATHER & RELATED PRODUCTS</u>		15	0.4				
i.	Finished Leather/ Upper Leather	15111	15	0.4	"000" Sq. M.	462	421	109.7
6.	<u>WOOD & WOOD WORKS</u>		2	0.1				
i.	Plywood	16212	2	0.1	"000" Sq.ft	3	-	-
7.	<u>PAPER & PAPER PRODUCTS</u>		13	2.2				
i.	Paper/ Paper Board (Writing Paper)	17013	3	0.8	M.Tons	470	580.0	81.0
ii.	Corrugated paper/ paperboard containers (Packaging)	17021	10	1.4	M.Tons	3,563	4719	516.4
8.	<u>PRINTING & RECORDED MEDIA</u>		17	0.9				
i.	Printing of Newspapers/ magazines	18111	5	0.5	M.Tons	560	690	96.6
ii.	Printing of books, brochures, maps etc. (Advertising Material)	18112	10	0.1	M.Tons	481	530	90.8
iii.	Printing of postage stamps, cheques etc. (Printing Papers)	18113	2	0.3	M.Tons	343	580	1.4
9.	<u>COKE & REFINED PETROLEUM PRODUCTS</u>		9	12.4				
i.	Motor Sprit	19201	3	5.6	"000" Liters.	22,533	24,946	1179.5
ii.	Kerosene oil	19201	3	5.6	"000" Liters.	356	83	-
iii.	L.P.G	19203	9	0.1	"000" Liters.	1,637	1,910	1.3
iv.	Naphtha Solvent	19203	9	0.1	"000" Liters.	2,362	14,098	3.5
v.	H.S.D	19203	9	0.1	"000" Liters.	108,415	127,890	1725.0
vi.	Furnace Oil	19203	9	0.1	"000" Liters.	57,530	67,757	915.4
vii.	ASPHALT 80-100	19203	9	0.1	"000" Liters.	-	6,285	-
viii.	ASPHALT 60-70	19203	9	0.1	"000" Liters.	11,139	6,285	109.1
ix.	Jet Fuel	19203	9	0.1	"000" Liters.	15,480	14,662	51.2
x.	Lubricating Oil	19203	9	0.1	"000" Liters.	12,298	10,212	120.4
xi.	Others Petroleum Products	19203	9	0.1	"000" Liters.	30,510	30,216	810.4

Sr. No.	Industrial Sector/ Items	PISIC	Sampled Industrial Units (CMI 2015-16)	WEIGHT (2015-16)	Unit of Quantity	Production		Index of Production in June:2023 with June:2022
						June:2023	June:2022	
10.	<u>CHEMICALS & CHEMICALS PRODUCTS</u>		14	5.8				
i.	Sulphuric/ Hydrochloric Acid/ Alum Sulphate	20115	5	0.4	M.Tons	6,210	3,765	4.2
ii.	Urea	20121	3	1.1	M.Tons	335,072	309,111	529.2
iii.	Ammonia	20121	3	1.1	M.Tons	50,929	146,463	185.0
iv.	DAP	20121	3	1.1	M.Tons	25,738	63,311	621.4
v.	Washing Soap	20232	6	0.8	M.Tons	7,659	27,532	23.8
vi.	Toilet Soap	20232	6	0.8	M.Tons	3,820	4,142	92.2
vii.	Detergent Powder	20234	4	0.5	M.Tons	30,620	32,178	1.4
11.	<u>PHARMACEUTICAL PRODUCTS</u>		41	8.5				
i.	Tablets	21001	41	1.7	"000" NOs.	2,381,800	2,263,668	3303.9
ii.	Liquid / Syrups	21001	41	1.7	"000" Liters.	43,300	33,511	23.7
iii.	Injections	21001	41	1.7	"000" NOs.	65,258	72,091	22.9
iv.	Capsules	21001	41	1.7	"000" NOs.	190,212	182,876	104.0
v.	Ointments	21001	41	1.7	KGs.	214,415	285,026	81.1
12.	<u>RUBBER & PLASTIC PRODUCTS</u>		23	1.8				
i.	Motor Tires	22111	2	0.3	Nos.	108,186	264,354	40.9
ii.	Plastic Products	22201	21	1.5	M.Tons	4,887	8,506	0.6
13.	<u>OTHER NON-METALIC MINERAL PRODUCTS</u>		19	1.7				
i.	Cement	23941	5	1.6	M.Tons	720,894	859,557	83.9
ii.	Marble	23961	14	0.1	M.Tons	349	576	3.5
14.	<u>BASIC IRON & STEEL METALS</u>		13	3.1				
i.	Steel Products	24104	3	0.3	M.Tons	12,954	9,927	130.5
ii.	M S Products	24106	10	2.8	M.Tons	13,216	22,172	23.9
15.	<u>FABRICATED METALS PRODUCTS</u>		1	0.4				
i.	Safety Razor Blades	25931	1	0.4	"000" Nos.	46,784	55,324	1014.0
16.	<u>ELECTRICAL EQUIPMENT</u>		8	0.4				
i.	Insulated Wire & Cables	27320	8	0.4	M.Tons	4,371	4,614	1060.9
17.	<u>MOTOR VEHICLES & PARTS</u>		60	5.8				
i.	Trucks	29101	13	0.4	Nos.	193	412	10.6
ii.	Buses	29101	13	0.4	Nos.	166	70	2.3
iii.	LCV'S	29101	13	0.4	Nos.	251	1,821	1.1
iv.	Tractors	29101	13	0.4	Nos.	2,503	7,150	83.7
v.	Cars	29101	13	0.4	Nos.	4,329	22,410	53.9
vi.	Vans & Jeep	29101	13	0.4	Nos.	1,544	2,989	17.7
vii.	Three Wheelers	29101	13	0.4	Nos.	1,215	8,032	0.9
viii.	Auto parts	29301	28	2.2	000'Nos.	9,486	8,731	108.6
ix.	Motor Cycles	30911	19	0.5	Nos.	95,509	137,659	31730.6
18.	<u>FURNITURE</u>		6	0.1				
i.	Sofa, Iron Chairs	31001	6	0.1	Nos.	319	301	106.0
			641	84.0				

Table 6: Cumulative Production of Selected Items Pertaining to Large-Scale Manufacturing Sector, Jul-Jun-2022-23 Vs July-Jun-2021-22

Sr. No.	Industrial Sector/ Items	PISIC	Sampled Industrial Units (CMI 2015-16)	WEIGHT (2015-16)	Unit of Quantity	Production		Index of Production in 2022-23 (Jul-Jun) with 2021-22 (Jul-May)
						2022-23 (Jul-Jun)	2021-22 (Jul-Jun)	
1.	<u>FOOD PRODUCTS</u>		209	12.3				
i.	Vegetable Ghee	10401	25	2.1	M.Tons	471,876	250,024	188.7
ii.	Cooking Oil	10401	25	2.1	M.Tons	344,876	352,811	97.8
iii.	Liquid Milk	10501	3	1.1	"000" Liters.	87,789	117,339	74.8
iv.	Wheat & Grain Milling	10611	36	0.6	M.Tons	270,151	491,731	54.9
v.	Rice Milling	10612	65	1.9	M.Tons	95,854	186,875	51.3
vi.	Biscuits & Rusk	10713	12	1.3	M.Tons	160,205	294,541	54.4
vii.	Sugar	10721	27	1.3	M.Tons	1,723,281	1,958,354	88.0
viii.	Chocolate & sugar confectionery	10732	6	0.6	M.Tons	4,512	3,832	117.7
ix.	Tea	10792	4	1.1	M.Tons	45,369	51,399	88.3
x.	Animal/ Poultry Feeds	10802	6	0.3	M.Tons	1,734	3,596	48.2
2.	<u>BEVERAGES</u>		7	0.5				
i.	Mineral/ Bottled Waters	11042	4	0.1	"000" NOs.	587,573	295,167	199.1
ii.	Soft Drinks	11043	3	0.4	"000" NOs.	837,377	550,400	152.1
3.	<u>TEXTILES</u>		128	17.6				
i.	Knitting Wool (Cotton Yarn)	13112	52	7.4	M.Tons	464,702	379,473	122.5
ii.	Woolen Worsted Cloth (Cotton Fabric)	13121	45	8.0	"000" Sq. M	826,064	506,961	162.9
iii.	Terry Towel and Bath Robes (MM Yarn)	13129	21	1.2	M.Tons	166,327	70,439	236.1
iv.	Woolen Blankets	13921	10	1.0	000Nos.	20,778	20,267	102.5
4.	<u>WEARING APPAREL</u>		56	10.0				
i.	Garments	14102	51	9.3	Dozen	8,180,145	9,811,917	83.4
ii.	Hosiery, socks, tights etc.	14302	5	0.7	Dozen	902,198	1,815,521	49.7
5.	<u>LEATHER & RELATED PRODUCTS</u>		15	0.4				
i.	Finished Leather/ Upper Leather	15111	15	0.4	"000" Sq. M.	4,816	6,064	79.4
6.	<u>WOOD & WOOD WORKS</u>		2	0.1				
i.	Plywood	16212	2	0.1	"000" Sq.ft	112	-	-
7.	<u>PAPER & PAPER PRODUCTS</u>		13	2.2				
i.	Paper/ Paper Board (Writing Paper)	17013	3	0.8	M.Tons	5,124	5,244	97.7
ii.	Corrugated paper/ paperboard containers (Packaging)	17021	10	1.4	M.Tons	52,073	38,973	133.6
8.	<u>PRINTING & RECORDED MEDIA</u>		17	0.9				
i.	Printing of Newspapers/ magazines	18111	5	0.5	M.Tons	7,299	3,964	184.1
ii.	Printing of books, brochures, maps etc. (Advertising Material)	18112	10	0.1	M.Tons	5,806	4,601	126.2
iii.	Printing of postage stamps, cheques etc. (Printing Papers)	18113	2	0.3	M.Tons	5,932	5,296	112.0
9.	<u>COKE & REFINED PETROLEUM PRODUCTS</u>		9	12.4				
i.	Motor Sprit	19201	3	5.6	"000" Liters.	252,710	295,931	85.4
ii.	Kerosene oil	19201	3	5.6	"000" Liters.	6,775	4,239	159.8
iii.	L.P.G	19203	9	0.1	"000" Liters.	18,162	30,159	60.2
iv.	Naphtha Solvent	19203	9	0.1	"000" Liters.	68,296	407,070	16.8
v.	H.S.D	19203	9	0.1	"000" Liters.	1,191,567	1,537,666	77.5
vi.	Furnace Oil	19203	9	0.1	"000" Liters.	628,322	608,516	103.3
vii.	ASPHALT 80-100	19203	9	0.1	"000" Liters.	27,262	71,320	38.2
viii.	ASPHALT 60-70	19203	9	0.1	"000" Liters.	114,107	104,308	109.4
ix.	Jet Fuel	19203	9	0.1	"000" Liters.	168,696	190,775	88.4
x.	Lubricating Oil	19203	9	0.1	"000" Liters.	146,696	226,734	64.7
xi.	Others Petroleum Products	19203	9	0.1	"000" Liters.	279,880	446,713	62.7

Sr. No.	Industrial Sector/ Items	PISIC	Sampled Industrial Units (CMI 2015-16)	WEIGHT (2015-16)	Unit of Quantity	Production		Index of Production in 2022-23 (Jul-Jun) with 2021-22 (Jul-May)
						2022-23 (Jul-Jun)	2021-22 (Jul-Jun)	
10.	<u>CHEMICALS & CHEMICALS PRODUCTS</u>		14	5.8				
i.	Sulphuric/ Hydrochloric Acid/ Alum Sulphate	20115	5	0.4	M.Tons	49,830	34,206	145.7
ii.	Urea	20121	3	1.1	M.Tons	3,322,762	3,833,777	86.7
iii.	Ammonia	20121	3	1.1	M.Tons	705,998	1,061,870	66.5
iv.	DAP	20121	3	1.1	M.Tons	422,708	935,543	45.2
v.	Washing Soap	20232	6	0.8	M.Tons	250,920	226,988	110.5
vi.	Toilet Soap	20232	6	0.8	M.Tons	50,367	53,894	93.5
vii.	Detergent Powder	20234	4	0.5	M.Tons	389,124	209,921	185.4
11.	<u>PHARMACEUTICAL PRODUCTS</u>		41	8.5				
i.	Tablets	21001	41	1.7	"000" NOs.	27,873,973	18,144,693	153.6
ii.	Liquid / Syrups	21001	41	1.7	"000" Liters.	469,818	221,252	212.3
iii.	Injections	21001	41	1.7	"000" NOs.	775,313	782,448	99.1
iv.	Capsules	21001	41	1.7	"000" NOs.	2,276,177	2,112,067	107.8
v.	Ointments	21001	41	1.7	KGs.	3,296,568	2,835,905	116.2
12.	<u>RUBBER & PLASTIC PRODUCTS</u>		23	1.8				
i.	Motor Tires	22111	2	0.3	Nos.	1,972,896	2,786,535	70.8
ii.	Plastic Products	22201	21	1.5	M.Tons	80,306	83,313	96.4
13.	<u>OTHER NON-METALIC MINERAL PRODUCTS</u>		19	1.7				
i.	Cement	23941	5	1.6	M.Tons	7,679,451	9,159,630	83.8
ii.	Marble	23961	14	0.1	M.Tons	5,099	11,037	46.2
14.	<u>BASIC IRON & STEEL METALS</u>		13	3.1				
i.	Steel Products	24104	3	0.3	M.Tons	126,736	58,889	215.2
ii.	M S Products	24106	10	2.8	M.Tons	202,680	190,408	106.4
15.	<u>FABRICATED METALS PRODUCTS</u>		1	0.4				
i.	Safety Razor Blades	25931	1	0.4	"000" Nos.	522,547	602,525	86.7
16.	<u>ELECTRICAL EQUIPMENT</u>		8	0.4				
i.	Insulated Wire & Cables	27320	8	0.4	M.Tons	51,453	44,159	116.5
17.	<u>MOTOR VEHICLES & PARTS</u>		60	5.8				
i.	Trucks	29101	13	0.4	Nos.	3,120	5,506	56.7
ii.	Buses	29101	13	0.4	Nos.	1,103	635	173.7
iii.	LCV'S	29101	13	0.4	Nos.	5,947	21,848	27.2
iv.	Tractors	29101	13	0.4	Nos.	31,019	56,398	55.0
v.	Cars	29101	13	0.4	Nos.	100,982	226,430	44.6
vi.	Vans & Jeep	29101	13	0.4	Nos.	22,972	21,961	104.6
vii.	Three Wheelers	29101	13	0.4	Nos.	16,504	56,946	29.0
viii.	Auto parts	29301	28	2.2	000'Nos.	72,965	85,958	84.9
ix.	Motor Cycles	30911	19	0.5	Nos.	1,323,725	1,730,273	76.5
18.	<u>FURNITURE</u>		6	0.1				
i.	Sofa, Iron Chairs	31001	6	0.1	Nos.	4,035	5,165	78.1
			641	84.0				

Table 7: Employment in Selected Large-Scale Manufacturing Sector, June-2023 VS May- 2023

Sr. No.	Industrial Sector/ Items	Sampled Industrial Units (CMI 2015-16)	Total Employees		Production Worker	
			June:2023	May:2023	June:2023	May:2023
1	FOOD PRODUCTS	209	22,826	22,883	14,873	15,121
2	BEVERAGES	7	3,840	3,071	944	866
3	TEXTILES	128	94,591	90,140	70,802	67,510
4	WEARING APPAREL	56	26,779	26,930	23,279	23,391
5	LEATHER & RELATED PRODUCTS	15	4,307	4,650	3,783	4,090
6	WOOD & WOOD WORKS	2	374	378	314	318
7	PAPER & PAPER PRODUCTS	13	2,002	2,084	1,426	1,482
8	PRINTING & RECORDED MEDIA	17	4,046	4,012	2,850	2,703
9	COKE & REFINED PETROLEUM PRODUCTS	9	1,269	1,254	954	939
10	CHEMICALS & CHEMICALS PRODUCTS	14	7,338	7,006	5,688	5,363
11	PHARMACEUTICAL PRODUCTS	41	15,229	15,761	10,475	10,954
12	RUBBER & PLASTIC PRODUCTS	23	4,797	4,766	3,441	3,384
13	OTHER NON-METALIC MINERAL PRODUCTS	19	2,972	2,951	1,964	2,069
14	BASIC IRON & STEEL METALS	13	1,064	1,067	806	809
15	FABRICATED METALS PRODUCTS	1	548	526	510	492
16	ELECTRICAL EQUIPMENT	8	6,865	7,048	5,251	5,414
17	MOTOR VEHICLES & PARTS	60	10,071	10,083	6,802	7,432
18	FURNITURE	6	57	57	34	34
Grand Total		641	208,975	204,667	154,195	152,370

QIM figures at the new base (i.e. 2015-16) are revisited after a one-year exercise of data collection. In the revisiting exercise the firms' data was updated with the repeated values and the response rate of monthly data collection was increased.

Table 8: Employment in Selected Large-Scale Manufacturing Sector, June-2023 Vs June-2022

Sr. No.	Industrial Sector/ Items	Sampled Industrial Units (CMI 2015-16)	Total Employees		Production Worker	
			June:2023	June:2022	June:2023	June:2022
1	FOOD PRODUCTS	209	22,826	25,150	14,873	17,107
2	BEVERAGES	7	3,840	3,840	944	944
3	TEXTILES	128	94,591	96,127	70,802	72,558
4	WEARING APPAREL	56	26,779	28,019	23,279	24,223
5	LEATHER & RELATED PRODUCTS	15	4,307	4,318	3,783	3,792
6	WOOD & WOOD WORKS	2	374	-	314	-
7	PAPER & PAPER PRODUCTS	13	2,002	2,002	1,426	1,426
8	PRINTING & RECORDED MEDIA	17	4,046	4,216	2,850	2,879
9	COKE & REFINED PETROLEUM PRODUCTS	9	1,269	1,323	954	1,008
10	CHEMICALS & CHEMICALS PRODUCTS	14	7,338	7,262	5,688	5,608
11	PHARMACEUTICAL PRODUCTS	41	15,229	15,347	10,475	10,817
12	RUBBER & PLASTIC PRODUCTS	23	4,797	5,061	3,441	3,371
13	OTHER NON-METALIC MINERAL PRODUCTS	19	2,972	2,949	1,964	1,930
14	BASIC IRON & STEEL METALS	13	1,064	1,026	806	794
15	FABRICATED METALS PRODUCTS	1	548	548	510	510
16	ELECTRICAL EQUIPMENT	8	6,865	6,911	5,251	5,344
17	MOTOR VEHICLES & PARTS	60	10,071	10,542	6,802	7,485
18	FURNITURE	6	57	57	34	34
Grand Total		641	208,975	214,696	154,195	159,829

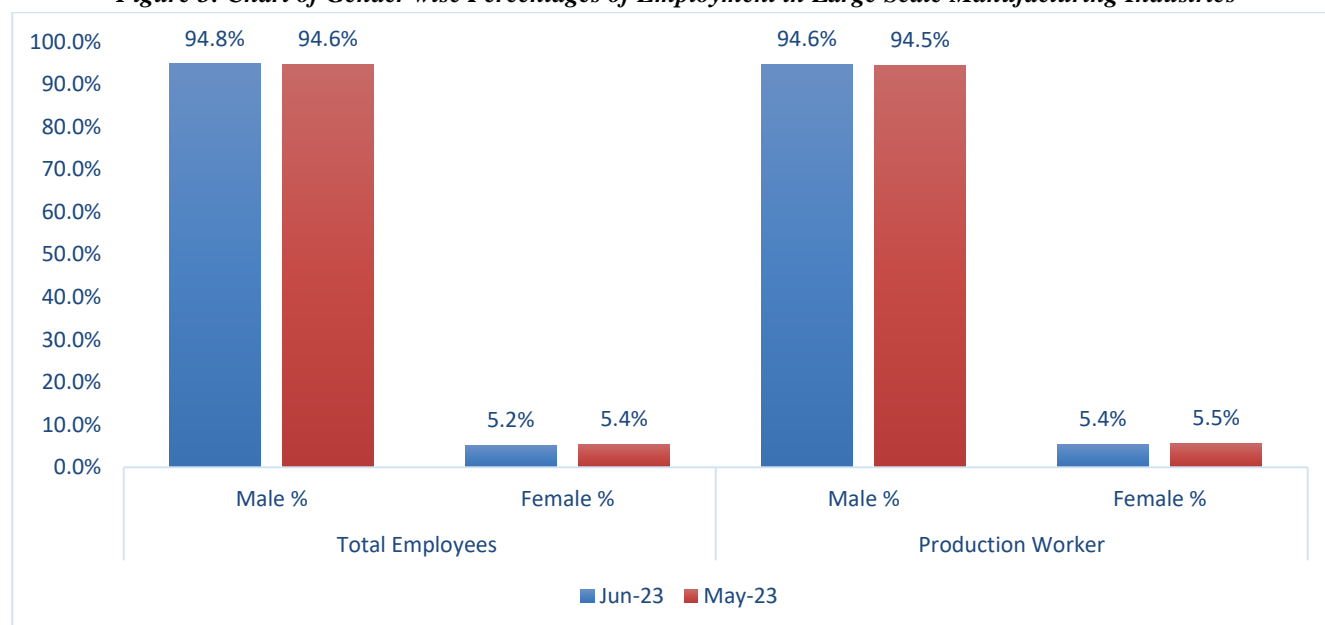
QIM figures at the new base (i.e. 2015-16) are revisited after a one-year exercise of data collection. In the revisiting exercise the firms' data was updated with the repeated values and the response rate of monthly data collection was increased.

Table 9: Gender wise Percentage of Employment in Selected Large-Scale Manufacturing Sector, June-2023

Sr. No.	Industrial Sector/ Items	Sampled Industrial Units (CMI 2015-16)	Total Employees		Production Worker	
			Male %	Female %	Male %	Female %
1	FOOD PRODUCTS	209	99.0%	1.0%	99.5%	0.5%
2	BEVERAGES	7	98.0%	2.0%	93.2%	6.8%
3	TEXTILES	128	97.3%	2.7%	97.7%	2.3%
4	WEARING APPAREL	56	81.2%	18.8%	80.8%	19.2%
5	LEATHER & RELATED PRODUCTS	15	98.7%	1.3%	99.5%	0.5%
6	WOOD & WOOD WORKS	2	98.0%	2.0%	100.0%	0.0%
7	PAPER & PAPER PRODUCTS	13	97.4%	2.6%	99.7%	0.3%
8	PRINTING & RECORDED MEDIA	17	98.9%	1.1%	100.0%	0.0%
9	COKE & REFINED PETROLEUM PRODUCTS	9	94.6%	5.4%	94.7%	5.3%
10	CHEMICALS & CHEMICALS PRODUCTS	14	98.1%	1.9%	98.7%	1.3%
11	PHARMACEUTICAL PRODUCTS	41	86.4%	13.6%	83.2%	16.8%
12	RUBBER & PLASTIC PRODUCTS	23	97.2%	2.8%	99.1%	0.9%
13	OTHER NON-METALIC MINERAL PRODUCTS	19	98.9%	1.1%	99.6%	0.4%
14	BASIC IRON & STEEL METALS	13	100.0%	0.0%	100.0%	0.0%
15	FABRICATED METALS PRODUCTS	1	100.0%	0.0%	100.0%	0.0%
16	ELECTRICAL EQUIPMENT	8	97.8%	2.2%	98.1%	1.9%
17	MOTOR VEHICLES & PARTS	60	97.3%	2.7%	98.3%	1.7%
18	FURNITURE	6	98.9%	1.1%	98.2%	1.8%
Grand Total		641	94.8%	5.2%	94.6%	5.4%

QIM figures at the new base (i.e. 2015-16) are revisited after a one-year exercise of data collection. In the revisiting exercise the firms' data was updated with the repeated values and the response rate of monthly data collection was increased.

Figure 3: Chart of Gender wise Percentages of Employment in Large Scale Manufacturing Industries



Annexure – A Proforma/ Questionnaire



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http://sbos.sindh.gov.pk
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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

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Estb: Code

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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.
- Research & Training Wing, Planning & Development Department, Government of Sindh.

Annexure – D Census value added and Contribution to GDP

Codes	Industry Major Group	No. of Firms	Census Value Added at Market Price	Contribution to GDP at Market Price	Contribution to GDP at Producer Price	Contribution to GDP at Basic Price	Contribution to GDP at Factor Cost
C	ALL INDUSTRIES	6299	1929472066	1637834836	1268637678	1255894601	1182636295
10	FOOD PRODUCTS	1682	295368858	235434110	203106723	197273490	195510704
10102	Fresh, chilled or frozen meat	5	4691422	2722767	2682150	2702246	2702223
10202	Fish, crustacean & mollusc products	14	572126	482976	482976	482644	482349
10302	Preserving of fruit, nuts or vegetables	24	1497731	951323	951323	951323	951323
10305	Jams, jellies & marmalades	2	4132058	3095923	1677737	1677335	1677335
10401	Crude / refined vegetable oils	164	70799514	58992520	55833158	51485578	50577888
10405	Cotton linters.	131	7747677	7144462	7126701	6585313	6360547
10406	Oilcakes & others	18	440116	380259	304810	304810	302778
10501	fresh liquid milk & milk-based drinks	8	20698635	15127003	14051823	14061378	14061378
10506	Ice cream & other edible ice.						
10509	Others n.e.c.	10	156475	126956	121730	121730	121537
10611	Grain milling.	221	8082300	7195760	7000605	6997277	6961744
10612	Rice milling.	603	25774678	24087309	23944477	24059175	23881095
10613	Vegetable milling						
10621	Starches from rice, potatoes, maize etc.	102	14368886	12820492	9319791	9279365	9255406
10711	Bread & rolls	36	2522314	2071664	2008855	1948380	1944139
10712	Pastry, cakes, pies etc	5	144870	96387	96387	96387	96322
10713	Rusks, biscuits & bakery products	47	30635020	23024946	16769757	16687098	16683728
10719	Others n.e.c.	24	1927248	931039	915004	915004	902820
10721	Sugar & sugar substitutes	36	27320072	24031576	17337711	16675155	16664606
10732	Chocolate & sugar confectionery	32	12190966	7521403	7515126	7515126	7515047
10792	Blending of tea & mate	7	34140036	22815606	13551283	13551283	13551283
10794	Infant formula or baby foods etc						
10795	Prepared foods/sandwiches, fresh pizza etc.	3	2192123	2115736	2115335	2115335	
10796	Spices, sauces & condiments	34	13626483	9318342	9318342	9318342	9318121
10798	Processing of salt	15	136945	123542	123542	123542	123469
10799	Others n.e.c.	94	6612861	5947268	5571412	5648432	5485615
10802	Prepared feeds for farm animals	47	4958300	4308853	4286690	3971233	3774615
11	BEVERAGES	38	22325221	19873504	13112942	10232864	10230926
11041	Non-alcoholic beverages	9	5045958	4661248	3388382	3334412	3332670
11042	Natural mineral waters/ bottled waters	17	1979406	1596578	1596578	1596578	1596578
11043	Soft drinks like lemonade, cola etc.	12	15299858	13615678	8127982	5301874	5301678
12	TOBACCO PRODUCTS	10	112570	107551	107551	107551	107551
12001	Tobacco products & substitutes etc.	10	112570	107551	107551	107551	107551
13	TEXTILES	1479	313495611	257294210	243014510	243213252	241916885
13112	Spinning of yarn or thread	219	124719279	104200299	92716189	92901931	91784959
13121	Broad woven fabrics	590	123627421	101855663	99846588	99872516	99763867

Codes	Industry Major Group	No. of Firms	Census Value Added at Market Price	Contribution to GDP at Market Price	Contribution to GDP at Producer Price	Contribution to GDP at Basic Price	Contribution to GDP at Factor Cost
13129	Others n.e.c.	227	17731571	14620052	14471382	14471382	14460481
13131	Bleaching & dyeing of fabrics	223	19355753	15557699	15410689	15406905	15371102
13921	Madeup articles of any textile material	66	16611830	12750176	12690056	12697607	12690353
13922	Made-up furnishing articles	9	3436413	2084252	2084252	2084252	2083372
13930	Floor coverings like carpets, rugs etc.				497798		483307
13941	Twine, cordage, rope etc.	6	844092	685306	5297555	487158	5279444
13991	Labels/ badges etc.	12	3909019	2623422		2398751	
13992	Tulles/ laces & other net fabrics	125	3238775	2897385	2881799	2883311	2871266
13999	Others n.e.c.	2	21460	19957	17005	9438	9426
14	WEARING APPAREL	652	169706963	134640465	130863184	130834476	130221376
14101	Wearing apparel of leather	27	1492784	888567	887486	887486	868192
14102	Outerwear/ work wear	524	153025309	120139592	116476136	116458526	115897861
14103	Underwear/ nightwear	4	1884756	1851744	1797756	1786658	1753650
14105	Other clothing accessories	5	4270505	3276305	3276305	3276305	3276173
14302	Hosiery, socks, tights & pantyhose etc	92	9033608	8484257	8425501	8425501	8425501
15	LEATHER PRODUCTS	111	7019933	4955482	4953790	4941630	4932933
15111	Tanning/ dressing of hides & skins	87	6478115	4508141	4506449	4494289	4485592
15121	Luggage, h&bags etc.						
15122	Articles of leather etc.	16	499068	404591		404591	
15201	Footwear	8	42750	42750	42750	42750	42750
16	WOOD AND WOOD PRODUCTS	29	3329177	3154918	3005512	2752293	2746302
16101	Sawmilling & planing of wood						
16102	Wooden railway sleepers	5	1344718	1327778	1297778	1290778	1290278
16212	Playwood/ veneer panel/laminated sheets	5	633885	535131	535131	535131	534014
16213	Particle board/densified wood etc.	14	1320831	1266455	1147477	901259	897332
16221	Wooden goods of construction industry	2	9797	429	9369	9369	9000
16231	Packing boxes, crates, drums of wood						
16291	Wooden products	3	19946	15757		15757	
17	PAPER AND PAPER PRODUCTS	202	38156856	34732893	33342147	33150341	33147339
17013	Paper & paperboard	50	11831699	11441753	10600137	10599816	10599575
17019	Others n.e.c.	2	77682	57619	57619	57619	57384
17021	Corrugated paper/ paperboard containers	131	20563452	18371694	18060989	18059374	18057009
17022	Sacks, bags & similar articles of paper	2	571529	558588	558588	558588	558588
17091	Personal hygiene paper product	14	3435547	2999684	2772851	2640062	2639934
17099	Others n.e.c.	3	1676948	1303555	1291962	1234883	1234848
18	PRINTING/REPRODUCTION OF RECORDED MEDIA	121	18845335	16376532	13616723	13420174	13397044
18111	Printing of newspapers/ magazines	76	7987871	6207287	6207287	6207287	6207287
18112	Printing of books, brochures, maps etc	19	891538	769855	689057	689057	687472
18113	Printing of postage stamps, chequesetc	2	5933099	5807125	4200445	4200445	4197576

Codes	Industry Major Group	No. of Firms	Census Value Added at Market Price	Contribution to GDP at Market Price	Contribution to GDP at Producer Price	Contribution to GDP at Basic Price	Contribution to GDP at Factor Cost
18114	Printing of diaries & calendars etc	4	220954	198237	198237	198237	195726
18115	Printing on textile, glass, metal, wood						
18123	Plate/image-making setting services	20	3811872	3394028		2125148	
19	COKE AND REFINED PETROLEUM PRODUCTS	30	330972023	336316961	157836806	155317906	86772288
19201	Production of motor fuel/ kerosene etc.	4	312150503	318793368	141319068	138803695	70338496
19203	Oil-based lubricating oils or greases	26	18821520	17523593	16517739	16514210	16433792
20	CHEMICALS AND CHEMICAL PRODUCTS	265	180017467	133587473	108318466	122495044	122396819
20111	Inorganic industrial/ medical gases	62	14866312	11164345	11103419	11103419	11096743
20112	Dyes & pigments in basic form	10	6965417	5530983	5034056	5021496	5019965
20113	Manufacture of inorganic acids & bases	3	1089090	884711	563548	563548	563548
20115	Basic organic chemicals	9	5155954	4829843	4829843	4829843	4829843
20119	Others n.e.c.	9	9238594	6860806	4224884	4200636	4200581
20121	Fertilizers	7	48767039	37318056	27473486	41942632	41942632
20131	Plastics in primary forms	10	13288212	10957012	6108881	5929461	5922377
20211	Insecticides/ fungicides/ herbicides	11	5647603	4828955	4717989	4717989	4702696
20219	Other agrochemical products n.e.c.	2	44351	37205	37205	37205	37035
20221	Paints & varnishes etc						
20227	Printing ink	32	13496566	13034327		12876110	
20232	Soap	38	33553981	21052698	19866228	19864240	19862344
20234	Detergent, dish-washing preparation etc	2	19283996	11770543	6491360	6491360	6491330
20236	Perfumes & toilet preparations	30	6170308	3552619	3447095	3440426	3395055
20292	Gelatine/ glues & prepared adhesives	21	470580	306592	241270	238852	238591
20294	Photographic plates, films etc	3	505003	394185	297507	280490	277023
20299	Others n.e.c.						
20303	Synthetic or artificial filament yarn	16	1474461	1064592		957337	
21	BASIC PHARMACEUTICAL PRODUCTS	211	156476332	110258572	108968543	108983038	108369168
21001	Medicinal active substances	195	153612183	108001189	107026665	107049946	106439059
21003	Medicaments/ homeopathic preparations	12	1123270	1024144	1013895	1013895	1013283
21009	Other such activities n.e.c.	4	1740879	1233238	927983	919196	916826
22	RUBBER AND PLASTICS PRODUCTS	215	32276858	29606359	26288588	26172973	26161364
22111	Rubber tyres	5	4513573	3911265	3911265	3911265	3911265
22191	Other products of rubber	17	3086850	2863359	2585325	2585325	2583326
22201	Plastic products for packing of goods	172	23718343	21982104	18950371	18834755	18825900
22203	Plastic tableware, kitchenware etc	12	695602	642874	638206	638206	637793
22209	Other diverse plastic products	9	262491	206757	203421	203421	203080
23	OTHER NON-METALLIC MINERAL PRODUCTS	548	54492837	49618700	37396922	36149990	36103688
23101	Flat glass/ glass paving blocks	24	4822650	3983568	3983568	3983568	3978788
23102	Glass mirror/ bottle/ drinking glass	4	19133	18928	18928	18928	18928

Codes	Industry Major Group	No. of Firms	Census Value Added at Market Price	Contribution to GDP at Market Price	Contribution to GDP at Producer Price	Contribution to GDP at Basic Price	Contribution to GDP at Factor Cost
23103	Pharmaceutical glassware etc.	5	438900	365862	289479	266453	265504
23921	Ceramic tiles, mosaic cubes etc.	2	2868320	2346650	1408157	1408157	1408157
23922	Non-refractory clay building materials						
23923	Ceramic sanitary fixtures	351	6528014	6356491	5240193	5289589	5262619
23931	Ceramic tableware & domestic articles	9	223482	192541	190598	190598	190598
23941	Clinkers & hydraulic cement	5	34050113	31215404	21206054	19875074	19875074
23951	Precast concrete, cement or stone	48	3791961	3512195	3447479	3503864	3491049
23961	Cutting, shaping & finishing of stone	100	1750264	1627063	1612466	1613759	1612971
24	BASIC METALS	126	75764546	69810955	53381662	51791999	51715787
24103	Pure iron, granular iron & iron powder						
24104	Remelting of scrap ingot of iron/ steel	2	4290468	3701246	3524460	3524460	3522789
24106	Hot/cold-rolled products of steel	81	48029391	45718917	36411991	35529729	35525285
24108	Welded tubes & pipes of steel	22	20955136	18192668	11908986	11202944	11136814
24109	Others n.e.c.	4	349660	346050	343960	343960	343960
24202	Aluminium & alloys						
24206	Chrome, manganese, nickel & alloys etc	13	1158257	1106584	734692	733333	729467
24311	Casting of iron						
24312	Casting of steel	4	981634	745490	457573	457573	457472
25	FABRICATED METAL PRODUCTS	53	7699426	6140873	5520704	5518967	5506720
25111	Metal framework/ skeleton etc						
25112	Metal door, window, shutter, gates etc	8	185254	180117	179292	179292	172037
25119	Others n.e.c.	3	137574	132900	132055	132055	131991
25122	Metal containers for gas	2	69020	59806	59806	59806	59806
25132	Parts for marine or power boilers/ nuclear reactors etc	2	247588	197630	146662	144925	143509
25932	Knives, h& tools, saw blades etc						
25934	Other tools of such nature n.e.c.	7	5037857	3730467	3205565	3205565	3205449
25991	Cans, drums, buckets, boxes, tins etc	8	460795	432866	406203	406203	404344
25997	Various metal articles	5	1101732	1030212	1014246	1014246	1014226
25999	Others n.e.c.	18	459606	376875	376875	376875	375357
26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	6	366815	278620	278544	278544	278544
26409	Others n.e.c.	2	4809	3732	3732	3732	3732
26516	Scales, balances & laboratory apparatus	2	226030	168805	168729	168729	168729
26602	Electro medical/ electrotherapeutic equipment						
26801	Audio & video tapes/ cassettes	2	135976	106083	106083	106083	106083
27	ELECTRICAL EQUIPMENT	87	61567697	49378704	28883717	28604815	28555499
27101	Electric transformers	3					
27102	Electric motors/ power generators etc	3	761401	761335	761335	761335	761335
27103	Electric power distribution panel etc.						
27104	Switchboard apparatus, fuses, switches	6	6274070	3906741	2169952	2178182	2178048

Codes	Industry Major Group	No. of Firms	Census Value Added at Market Price	Contribution to GDP at Market Price	Contribution to GDP at Producer Price	Contribution to GDP at Basic Price	Contribution to GDP at Factor Cost
27109	Others n.e.c.	11	234313	225703	223614	223614	223590
27203	Lead acid/ lithium/ dry/ wet batteries	8	33295202	27370821	13305137	13290217	13289923
27320	Insulated wire & cable	24	11509047	9058281	4722689	4670315	4670211
27401	Lamps, bulbs, ch&eliers,lanterns etc.	3	515976	439979	218190	135293	
27501	Domestic electric appliances						
27503	Domestic non-electric cooking equipment	23	8825577	7514697		7261919	
27909	Others n.e.c.	6	152110	101147	85477	83939	74612
28	MACHINERY AND EQUIPMENT N.E.C.	97	8741949	7953079	7648415	7646414	7642752
28132	Pumps for liquids	12	4818692	4702476	4694384	4694384	4694384
28133	Pumps for engines/ motor vehicle pumps						
28134	Industrial taps/ valves & h& pump etc	2	290734	241313		241313	
28191	Industrial freezing equipment etc	2	35294	33131	25827	25827	25535
28193	Filtering or purifying machinery						
28198	Parts for general-purpose machinery	59	1060242	797959		791134	
28199	Others n.e.c.	3	57909	51040	50820	50820	50637
28211	Tractors	2	518707	363929	363929	363929	363929
28214	Soil preparation, planting machinery	2	239900	239842	239842	239842	239842
28219	Diverse agricultural machinery	3	59372	58797	58797	58797	58797
28222	Tools for grinding, drilling, boring	3	180601	168251	167451	167451	167351
28259	Food processing machinery						
28261	Textile machinery	9	1480498	1296340	1014919	1012918	1012233
29	MOTOR VEHICLES, TRAILERS AND SEMI	227	132405145	121484559	77294612	65727682	65654221
29101	Passenger cars, commercial busses etc	12	95827262	88108702	49222447	38468944	38440702
29202	Trailers & semi-trailers	7	83107	78976	77656	77656	76246
29301	Parts & accessories for motor vehicles	208	36494776	33296881	27994509	27181083	27137273
30	OTHER TRANSPORT EQUIPMENT	21	15561519	12169351	7124438	6754555	6754021
30911	Motorcycles, engines for motorcycles	13	15423277	12044182	7003491	6637913	6637577
30912	Parts & accessories for motorcycles	8	138242	125169	120947	116642	116444
31	FURNITURE	31	1394624	1335715	1264409	1217831	1209238
31001	Furniture & fixtures	27	1361286	1303777	1232771	1186193	1177980
31004	Furniture for kitchen bedrooms etc.	4	33338	31938	31638	31638	31258
32	OTHER MANUFACTURING	58	3374305	3325248	3308771	3308771	3305127
32113	Jewellery, goldsmiths' articles.						
32121	Costume or imitation jewellery.	35	461839	457879	441402	441402	440949
32509	Others n.e.c.	9	469024	448161	448161	448161	445469
32902	Brooms & brushes.	2	124623	119889	119889	119889	119889
32903	Pens, pencils & stamps etc.	5	2130480	2130480	2130480	2130480	2130480
32909	Others n.e.c.	7	188338	168839	168839	168839	168340

Annexure – E Item wise Production Weights for Sindh

Industrial Sector/ Items	PISC	Unit of Quantity	Sindh Weight based on CMI 2015-16
10-FOOD PRODUCTS			12.3
Vegetable Ghee	10401	M.Tons	2.1
Cooking Oil	10401	M.Tons	2.1
Liquid Milk	10501	"000" Liters.	1.1
Wheat & Grain Milling	10611	M.Tons	0.6
Rice Milling	10612	M.Tons	1.9
Biscuits& Rusk	10713	M.Tons	1.3
Sugar	10721	M.Tons	1.3
Chocolate & sugar confectionery	10732	M.Tons	0.6
Tea	10792	M.Tons	1.1
Animal/ Polutry Feeds	10802	M.Tons	0.3
11-BEVERAGES			0.5
Mineral/ Bottled Waters	11042	"000" NOs.	0.1
Soft Drinks	11043	"000" NOs.	0.4
13-TEXTILES			17.6
Kinting Wool (Cotton Yarn)	13112	M.Tons	7.4
Woolen Worsted Cloth (Cotton Fabric)	13121	"000" Sq. M	8.0
Terry Towel and Bath Robes (MM Yarn)	13129	M.Tons	1.2
Woollen Blankets	13921	000Nos.	1.0
14-WEARING APPAREL			10.0
Garments	14102	Dozen	9.3
Hosiery, socks, tights etc.	14302	Dozen	0.7
15-LEATHER & RELATED PRODUCTS			0.4
Finished Leather/ Upper Leather	15111	"000" Sq. M.	0.4
16-WOOD & WOOD WORKS			0.1
Plywood	16212	"000" Sq. ft.	0.1
17-PAPER & PAPER PRODUCTS			2.2
Paper/ Paper Board (Writing Paper)	17013	M.Tons	0.8
Corrugated paper/ paperboard conainers (Packaging)	17021	M.Tons	1.4
18-PRINTING & RECORDED MEDIA			0.9
Printing of Newspapers/ magazines	18111	M.Tons	0.5
Printing of books, brochures, maps etc. (Advertizing Material)	18112	M.Tons	0.1
Prining of postage stamps, cheques etc. (Printing Papers)	18113	M.Tons	0.3
19-COKE & REFINED PETROLEUM PRODUCTS			12.4
Motor Sprit	19201	"000" Liters.	5.6
Kerosene oil	19201	"000" Liters.	5.6
L.P.G	19203	"000" Liters.	0.1
NapthaSolvant	19203	"000" Liters.	0.1
H.S.D	19203	"000" Liters.	0.1
Furnace Oil	19203	"000" Liters.	0.1
ASPHALT 80-100	19203	"000" Liters.	0.1
ASPHALT 60-70	19203	"000" Liters.	0.1

Industrial Sector/ Items	PISC	Unit of Quantity	Sindh Weight based on CMI 2015-16
Jet Fuel	19203	"000" Liters.	0.1
Lubricating Oil	19203	"000" Liters.	0.1
Others Petroleum Products	19203	"000" Liters.	0.1
20-CHEMICALS & CHEMICALS PRODUCTS			5.8
Surphuric/ Hydrochloric Acid/ Alum Sulphate	20115	M.Tons	0.4
Urea	20121	M.Tons	1.1
Amonia	20121	M.Tons	1.1
DAP	20121	M.Tons	1.1
Washing Soap	20232	M.Tons	0.8
Toilet Soap	20232	M.Tons	0.8
Detergent Powder	20234	M.Tons	0.5
21-PHARMACEUTICAL PRODUCTS			8.5
Tablets	21001	"000" NOs.	1.7
Liquied/ Syrups	21001	"000" Liters.	1.7
Injections	21001	"000" NOs.	1.7
Capsules	21001	"000" NOs.	1.7
Ointments	21001	KGs.	1.7
22-RUBBER & PLASTIC PRODUCTS			1.8
Motor Tyres	22111	Nos.	0.3
Plastic Products	22201	M.Tons	1.5
23-OTHER NON-METALIC MINERAL PRODUCTS			1.7
Cement	23941	M.Tons	1.6
Marble	23961	M.Tons	0.1
24-BASIC IRON & STEEL METALS			3.1
Steel Products	24104	M.Tons	0.3
M S Products	24106	M.Tons	2.8
25-FABRICATED METALS PRODUCTS			0.4
Safety Razor Blades	25931	"000" Nos.	0.4
27-ELECTRICAL EQUIPMENT			0.4
Insulated Wire & Cables	27320	M.Tons	0.4
29-MOTOR VEHICLES & PARTS			5.8
Trucks	29101	Nos.	0.4
Buses	29101	Nos.	0.4
LCV'S	29101	Nos.	0.4
Tractors	29101	Nos.	0.4
Cars	29101	Nos.	0.4
Vans & Jeep	29101	Nos.	0.4
Three Wheelers	29101	Nos.	0.4
Autoparts	29301	000'Nos.	2.2
Motor Cycles	30911	Nos.	0.5
31-FURNITURE			0.1
Sofa, Iron Chairs	31001	Nos.	0.1
Total			84.0

Annexure – F Monthly Item wise Time Series Production

Sectors/ Items	Unit	Monthly Production					
		Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23
FOOD PRODUCTS							
Vegetable Ghee	M.Tons	39,791	43,503	50,028	42,255	40,122	43,657
Cooking Oil	M.Tons	28,251	28,187	29,172	34,184	31,330	36,044
Liquid Milk	"000"Liters.	7,142	7,042	7,089	7,083	7,145	8,217
Wheat & Grain Milling	M.Tons	25,619	28,459	27,013	24,051	22,015	19,163
Rice Milling	M.Tons	18,787	14,989	14,924	16,042	13,845	1,196
Biscuits & Rusk	M.Tons	14,472	14,054	12,728	12,711	8,695	8,633
Sugar	M.Tons	242,902	396,299	475,795	547,164	3,028	-
Chocolate & sugar confectionery	M.Tons	410	349	366	421	366	456
Tea	M.Tons	4,373	4,372	2,318	4,543	4,464	4,109
Animal/ Poultry Feeds	M.Tons	102	106	122	146	139	128
BEVERAGES							
Mineral/ Bottled Waters	"000"NOs.	35,317	40,615	46,707	76,858	76,918	76,758
Soft Drinks	"000"NOs.	53,995	62,094	71,408	82,119	94,437	108,603
TEXTILES							
Knitting Wool (Cotton Yarn)	M.Tons	38,029	43,733	45,293	38,499	32,724	37,633
Woolen Worsted Cloth (Cotton Fabric)	"000" Sq.M	58,365	67,120	65,188	74,966	86,211	73,279
Terry Towel and Bath Robes (MM Yarn)	M.Tons	14,186	14,058	15,167	17,442	14,826	12,602
Woolen Blankets	000'Nos.	2,243	2,150	1,828	1,554	1,321	1,123
WEARING APPAREL							
Garments	Dozen	722,413	730,775	740,391	751,450	638,733	542,923
Hosiery, socks, tights etc.	Dozen	76,394	74,935	68,695	78,999	67,149	77,221
LEATHER & RELATED PRODUCTS							
Finished Leather/ Upper Leather	"000" Sq.M.	323	375	319	367	422	485
WOOD & WOOD WORKS							
Plywood	"000"Sq. ft.	16	14	12	10	8	4
PAPER & PAPER PRODUCTS							
Paper/ Paper Board (Writing Paper)	M.Tons	415	427	363	417	480	500

Sectors/ Items	Unit	Monthly Production					
		Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23
Corrugated paper/ paperboard containers (Packaging)	M.Tons	5,195	4,722	4,514	3,837	3,261	3,750
PRINTING & RECORDED MEDIA							
Printing of Newspapers/ magazines	M.Tons	738	617	524	445	512	589
Printing of books, brochures, maps etc. (Advertising Material)	M.Tons	518	480	455	523	445	512
Printing of postage stamps, cheques etc.(Printing Papers)	M.Tons	553	510	434	369	314	361
COKE & REFINED PETROLEUM PRODUCTS							
Motor Sprit	"000"Liters.	22,600	16,069	16,069	24,098	24,327	14,671
Kerosene oil	"000"Liters.	840	1,292	1,292	1,291	709	-
L.P.G	"000"Liters.	1,915	983	983	1,648	1,402	846
Naphtha Solvent	"000"Liters.	4,720	5,625	5,625	4,184	5,247	1,930
H.S.D	"000"Liters.	117,181	105,649	97,928	92,139	87,839	81,969
Furnace Oil	"000"Liters.	51,727	61,446	55,749	60,960	46,575	27,307
ASPHALT 80-100	"000"Liters.	-	4,413	2,393	2,393	2,601	-
ASPHALT 60-70	"000"Liters.	7,729	6,727	7,738	7,738	7,764	13,074
Jet Fuel	"000"Liters.	14,288	13,621	17,121	21,285	7,179	10,364
Lubricating Oil	"000"Liters.	13,840	11,709	11,169	11,091	11,692	12,425
Others Petroleum Products	"000"Liters.	21,840	24,064	30,353	30,353	18,602	17,015
CHEMICAL & CHEMICAL PRODUCTS							
Sulphuric/ Hydrochloric Acid/ Alum Sulphate	M.Tons	3,947	3,753	3,190	2,712	3,119	6,190
Urea	M.Tons	212,521	176,441	325,473	364,947	363,374	249,800
Ammonia	M.Tons	56,641	45,251	14,347	37,530	59,138	74,282
DAP	M.Tons	38,986	2,718	18,928	37,622	37,781	34,159
Washing Soap	M.Tons	28,229	23,995	20,396	17,337	14,736	6,724
Toilet Soap	M.Tons	3,871	3,667	4,431	4,702	4,156	3,322
Detergent Powder	M.Tons	29,714	34,171	32,045	36,852	31,324	36,023
PHARMACEUTICAL PRODUCTS							
Tablets	"000" NOs.	2,295,876	2,316,671	2,386,171	2,314,586	2,384,024	2,312,503

Sectors/ Items	Unit	Monthly Production					
		Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23
Liquid/ Syrups	"000" Liters.	37,536	39,702	40,893	42,120	43,384	44,686
Injections	"000" NOs.	62,922	63,328	65,228	67,185	65,169	67,124
Capsules	"000" NOs.	198,288	185,042	190,593	184,875	179,329	184,709
Ointments	KGs.	330,839	291,370	300,111	277,051	268,739	276,801
RUBBER & PLASTIC PRODUCTS							
Motor Tires	Nos.	178,929	158,702	182,502	155,127	131,858	151,637
Plastic Products	M.Tons	6,769	5,953	5,060	5,819	4,946	5,688
OTHER NON METALIC MINERAL PRODUCTS							
Cement	M.Tons	475,351	506,801	803,336	729,160	607,997	682,696
Marble	M.Tons	500	425	400	340	391	332
BASIC IRON & STEEL METALS							
Steel Products	M.Tons	6,659	11,799	10,029	11,533	7,853	14,288
M S Products	M.Tons	14,039	16,145	13,723	11,665	13,255	15,243
FABRICATED METAL PRODUCT							
Safety Razor Blades	"000" Nos.	50,836	43,032	50,731	41,451	40,233	48,876
ELECTRICAL EQUIPMENTS							
Insulated Wire & Cables	M.Tons	4,075	4,066	4,213	3,581	4,165	4,790
MOTOR VEHICLES & PARTS							
Trucks	Nos.	291	282	283	250	100	168
Buses	Nos.	57	62	48	42	136	195
LCV'S	Nos.	524	406	586	615	359	218
Tractors	Nos.	1,064	1,592	3,242	3,698	2,945	2,945
Cars	Nos.	13,758	5,723	4,708	6,011	3,740	5,093
Vans & Jeep	Nos.	1,915	3,414	1,841	1,386	1,049	1,343
Three Wheelers	Nos.	2,084	2,149	1,082	1,593	605	1,056
Auto parts	000'Nos.	3,504	3,700	3,915	3,957	8,324	8,249
Motor Cycles	Nos.	105,154	106,356	100,605	83,836	76,852	100,536
FURNITURE							
Sofa, Iron Chairs	Nos.	351	364	366	311	264	304



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[MIPE June, 2023 – Industries Section, Bureau of Statistics, Sindh](#)