

013 - 938

313
988/1
of no. 651



Government of Kerala

**Report of
the Index of Industrial Production
2004-05 & 2005-06**

**Department of Economics & Statistics
Thiruvananthapuram
2006**



Government of Kerala

Report of the Index of Industrial Production 2004-05 & 2005-06

Department of Economics & Statistics
Thiruvananthapuram
2006

PREFACE

The Department of Economics & Statistics publishes the Index of Industrial Production every year with a view to aiding the Government and the public to quantify the rate at which and the mode in which the industrial sector in the state progresses or regresses and to form policies based on the trend thus elicited. This issue of the report is significant as it has incorporated a few changes that the Central Statistical Organization suggested, including revision of base year and replacement of **GVO for quantity of production** for computation.

Quarterly indices for the years 2004-05 and 2005-06 and NIC Code-wise indices of 17 major industrial groups are computed and brought out in this report for study. As per the CSO guideline, the base year has been shifted from 1980-81 to 1993-94 so as to facilitate a comparative study of state-wise indices all over India.

This report is prepared by Sri. M.K. Mohandas (Asst. Director, IIP), Smt. P. Malini (RA), K.R. Lini (UD Compiler) and Justine K.J. (LD Compiler) under the supervision of Sri. S. Rajendran (Joint Director, S&D) and the overall guidance of Sri. K. Asokan (Addl. Director, SI). Suggestions on the improvement of this publication are most welcome.

M. R. Balakrishnan
Director

Thiruvananthapuram,

30-12-2006

REPORT OF THE INDEX OF INDUSTRIAL PRODUCTION FOR THE YEARS 2004-05 & 2005-06

Introduction

The Index of Industrial Production measures the impact of development in the field of industrial sector over a period of time in the state in comparison with a selected previous year. The index gives a comprehensive view of the industrial development of the state. It can work as a guide for the Government and industrialists. They can make maximum and overall progress realizing the areas which are strong and which require special attention. With the introduction of the revised base year of 1993-94, it is possible to make out where our state stands in relation to the other states of the country.

Coverage

So far, the Index used to cover only the production in the manufacturing and electricity generation and transmission sectors in the state. From this issue onwards, in addition to the above, the Mining and Quarrying industry also falls within the purview of IIP. The manufacturing sector dealt with in IIP shares some of the industrial units with the Annual Survey of Industries (ASI). The criterion for the selection of these units is that they should either engage 50 workers or more using power or employ 100 or more workers without using power. For the sake of convenience and to make the actual unwieldy data handy, 50% of the industry groups of cashew processing, tile manufacturing and tea processing are selected at random.

The production estimates for all the units are reached by way of amplifying the totals of the samples selected at the rate of total employment in all the units to the employment in the chosen units. The revised list of 17 industry groups which are selected for the preparation of IIP and their two-digit NIC codes is given below.

1. Mining and Quarrying (15-19)
2. Manufacture of Food Products (20-21)
3. Manufacture of Beverages, Tobacco etc (22)
4. Manufacture of Cotton textiles (23)
5. Manufacture of Wool, Silk etc (24)

6. Manufacture of Jute & other Vegetable Fibre Textiles (25)
7. Manufacture of Textile Products & Fibres (26)
8. Manufacture of Wood & Wood Products (27)
9. Manufacture of Paper & Paper Products (28)
10. Manufacture of Basic Chemicals & Chemical Products (30)
11. Manufacture of Rubber, Plastic, Petroleum etc (31)
12. Manufacture of Non-metallic Mineral Products (32)
13. Basic Metal & Alloys (33)
14. Manufacture of Metal Products & Parts (34)
15. Manufacture of Machinery & Equipments (35-36)
16. Other Manufacturing Industries (38)
17. Electricity Generation, Transmission & Distribution (40)

Method of Computation

The Index of Industrial Production is obtained by using the Laspeyres formula:

$$I = \frac{\sum (W_i R_i)}{\sum W_i}$$

Where

I =	Index of Industrial production
W _i =	Weight assigned to the i th item
R _i =	$\frac{q_k}{q_0} \times 100$

The **GVO** relative obtained using the equation

Where	q _k =	GVO during the current year
	q ₀ =	GVO during the Base Year

Significantly, complying with the instruction given by the Central Statistical Organization (CSO), in place of the quantity produced, the Gross Value Output of both the base year and the current year is used for arriving the Index.

Base Year

In order to ensure more accuracy and better reliability of the data, the base year has been shifted from 1980-81 to the more recent year of 1993-94. The weights are distributed among the items at various levels on the basis of the figures of the year 1993-94; and the current year GVO is weighed against the GVO of the year 1993-94 to work out the index.

Weighting Diagram Base Year 1993-94

Mining & Quarrying									0.51		
Manufacturing									92.63		
Electricity									6.86		
Total									100		
15-19	352800	0.506161	24	64936	0.093163				33	1721371	2.469645
20-21	14002555	20.08942	247	16234	100				330	70316.59	16.33967
Total	1585267	2.274377	Total	16234	100				336	360026.2	83.66033
22	4098318	5.879843	25	429913	0.616795	Total			Total	430342.8	100
24	64936	0.093163	255	107478.3	100				34	384136	0.551119
25	429913	0.616795	Total	107478.3	100				341	51066.5	53.17544
26	108691	0.155939	26	108691	0.155939				343	20523.5	21.37108
27	876330	1.257268	261	27172.75	100				344	24444	25.45349
28	3903150	5.599836	Total	27172.75	100	Total			Total	96034	100
30	12473796	17.89611	27	876330	1.257268	35-36				3301784	4.737058
31	19422390	27.86524	270	113715.8	51.90545				350	50118	6.071627
32	2093259	3.003191	271	94115.25	42.95882				357	72381.5	8.768775
33	1721371	2.469645	276	11251.5	5.135737				360	263525.5	31.92523
34	384136	0.551119	Total	219082.5	100				361	164906.3	19.97784
35-36	3301784	4.737058	28	3903150	5.599836				365	99046	11.99909
	101754	0.145986	280	512799.5	52.55237				366	67177.75	8.138358
40	4780700	6.858854	281	31877	3.266797				368	108291	13.11909
Total	69701150	100	284	414307	42.45873	Total			Total	825446	100
15-19	352800	0.506161	285	16804	1.722096				38	101754	0.145986
15-19	352800	100	Total	975787.5	100				380	25438.5	100
Total	352800	100	30	12473796	17.89611	Total			Total	25438.5	100

Weighting Diagram Base Year 1993-94 (Contd...)

20-21	14002555	20.08942	300	915516.1	29.35806	40	4780700	6.858854
201	388094.3	11.08638	301	1556958	49.92733	400	4780700	100
202	30447.75	0.869777	304	105990.7	3.398827	Total	4780700	100
204	430512	12.2981	305	336015.2	10.77508			
205	40521.5	1.157546	309	203968.5	6.540705			
209	22413.75	0.640276	Total	3118449	100			
211	351813.5	10.04998	31	19422390	27.86524			
213	1021722	29.18672	310	706759	14.55555			
215	965008	27.56663	311	144722.5	2.980529			
217	155585.8	4.44496	312	1130955	23.29177			
219	94520.75	2.7001	313	63636.25	1.310575			
Total	3500639	100	314	2742706	56.48545			
22	1585267	2.274377	319	66819.25	1.376128			
222	163373	41.22284	Total	4855598	100			
226	232943.8	58.77716	32	2093259	3.003191			
Total	396316.8	100	320	193016.5	36.88344			
23	4098318	5.879843	323	32462.75	6.203294			
233	127549.8	12.44899	324	192762.8	36.83495			
234	40235.75	3.92705	327	44286	8.462593			
235	856794	83.62396	329	60786.75	11.61572			
Total	1024580	100	Total	523314.8	100			

Weights

The Allocation of weights at two and three digit levels is made in proportion to the Gross Value Output of the base year (1993-94). Thus at two-digit level, the weight is distributed among three groups – Mining and Quarrying (15-19), Manufacturing (20-38) and Electricity Generation, Transmission and Distribution (40) in relation to the relevance these groups had in the year 1993-94. Within these groups, the weight is again distributed at three-digit level in the same manner.

Source of Data

As far as the Mining sector is concerned, data is furnished by the Indian Bureau of mines, Nagpur. Quarterly reports collected by mailed questionnaires followed by repeated personal visits of the district-level officers from the 435 selected industrial units in the state are the source of data in the Manufacturing Sector. The monthly production data on the generation of electricity is supplied by CSO.

Index Figures 2004-05

The General Index of Industrial Production for the year 2004-05 with 1993-94 as the base year is 205.81. The index of Mining and Quarrying Sector is 169.13. The Manufacturing Sector Index is 209.726 and the Index of the Electricity Sector is 165.02.

Quarterly Index of each group and quarterly and annual NIC Code-wise (two and three digit) Indices are given in the tables below. The general Index is the arithmetic mean of the quarterly Indices.

TABLE I - INDEX OF INDUSTRIAL PRODUCTION 2004-05

Base Year: 1993-94

Sl. No	NIC Code	Item Description	Weight	Index 2004-05
1.	15-19	Mining and Quarrying	0.51	169.13
2.	20-21	Manufacture of Food Products	20.09	161.985
3.	22	Manufacture of Beverages, Tobacco etc	2.27	338.177
4.	23	Manufacture of Cotton Textiles	5.88	125.581
5.	24	Manufacture of Wool, Silk etc	0.09	272.333
6.	25	Manufacture of Jute & other Vegetable Fibre Textiles	0.62	103.910
7.	26	Manufacture of textile products & fibres	0.16	230.945
8.	27	Manufacture of Wood & Wood Products	1.26	74.223
9.	28	Manufacture of Paper & Paper Products	5.60	234.584
10.	30	Manufacture of Basic Chemicals & Chemical Products	17.90	257.735
11.	31	Manufacture of Rubber, Plastic, Petroleum etc	27.86	211.796
12.	32	Manufacture of Non-metallic Mineral Products	3.00	257.055
13.	33	Basic Metal & Alloys	2.47	194.668
14.	34	Manufacture of Metal Products & Parts	0.55	182.922
15.	35	Manufacture of Machinery & Equipments	4.74	260.653
16.	38	Other Manufacturing Industries	0.15	214.778
17.	40	Electricity Generation, Transmission and Distribution	6.85	165.022
15-40		General Index	100	205.812

TABLE II

INDEX OF INDUSTRIAL PRODUCTION 2004-05

Base Year 1993-94

Sl. No	NIC Code	Item Description	Weight	Index for the quarter ending				Annual
				Jun 2004	Sep 2004	A. Dec 2004	Mar 2005	
		GENERAL INDEX	100	198.055	205.637	211.730	207.829	205.812
1.	15-19	Mining & Quarrying	0.51	169.129	169.129	169.129	169.129	169.129
2.	20-21	Manufacture of Food Products	20.09	157.559	165.135	163.576	161.669	161.985
i	201	Manufacture of dairy products	11.09	532.623	600.605	552.504	580.523	566.564
ii	202	Canning & preservation of fruits & vegetables	0.87	0.000	0.000	0.000	0.000	0.000
iii	204	Grain milling	12.30	81.513	75.169	68.401	79.740	76.206
iv	205	Manufacture of bakery products	1.16	233.810	241.374	204.077	214.341	223.401
v	209	Manufacturing & refining of Sugar	0.64	601.283	697.097	623.482	509.153	607.754
vi	211	Manufacture of Vegetable oils & fats	10.05	114.002	117.483	129.313	79.590	110.097
vii	213	Manufacture of tea	29.19	79.541	80.725	82.118	77.100	79.871
viii	215	Processing of cashew nuts	27.57	25.229	31.594	29.829	14.601	25.313
ix	217	Manufacture of animal feeds & oil cakes	4.44	335.033	298.227	362.329	421.305	354.224
x	219	Areca nuts & Copra	2.70	941.131	915.370	972.800	1055.902	971.301

Sl. No	NIC Code	Item Description	Weight	Index for the quarter ending				Annual
				Jun 2004	Sep 2004	B. Dec 2004	Mar 2005	
3.	22	Manufacture of Beverages, Tobacco etc	2.27	329.718	346.374	336.405	340.212	338.177
i	222	Manufacture of liquors	41.22	386.003	421.695	398.752	398.038	401.12
ii	226	Manufacture of beedi	58.78	290.243	293.548	292.678	299.656	294.03
4.	23	Manufacture of Cotton Textiles	5.88	115.196	121.391	124.896	140.840	125.581
i	233	Manufacture of cotton shirting & furnishing cloth	12.45	110.913	121.725	128.022	155.176	128.959
ii	234	Manufacture of cloth	3.93	255.656	241.116	236.535	230.790	241.024
iii	235	Manufacture of cotton yarn	83.62	109.238	115.719	119.187	134.482	119.66
5.	24	Manufacture of Wool, Silk etc	0.09	264.670	287.706	275.682	261.276	272.333
i	247	Manufacture of synthetic yarn	100	264.670	287.706	275.682	261.276	272.334
6	25	Manufacture of Jute & other Vegetable Fibre Textiles	0.62	93.329	105.182	112.526	104.602	103.910
i	255	Manufacture of coir mattress	100	93.329	105.182	112.526	104.602	103.910
7.	26	Manufacture of textile products & fibres	0.156	241.103	229.478	237.923	215.275	230.945
i	261	Manufacture of coir yarn	100	241.103	229.478	237.923	215.275	230.945

Sl. No	NIC Code	Item Description	Weight	Index for the quarter ending				Annual
				Jun 2004	Sep 2004	C. Dec 2004	Mar 2005	
8.	27	Manufacture of Wood & Wood Products	1.26	75.031	80.577	69.822	71.462	74.223
i	270	Splint for matches & timber veneers	51.91	30.472	25.937	21.773	22.086	25.067
ii	271	Plywood & allied products	42.96	128.692	146.118	128.774	126.541	132.531
iii	276	Wooden furniture	5.14	76.530	84.582	62.320	109.761	83.298
9.	28	Manufacture of Paper & Paper Products	5.60	228.555	234.305	237.905	237.571	234.584
i	280	Manufacture of pulp, paper & paper board	52.55	226.731	236.165	240.966	235.313	234.794
ii	281	Manufacture of paper boxes	3.27	82.469	45.977	49.186	58.825	59.114
iii	284 285	Newspapers, Advertising materials	44.18	251.321	255.997	258.285	263.753	257.339
10.	30	Manufacture of Basic Chemicals & Chemical Products	17.90	258.335	264.154	269.981	238.468	257.735
i	300	Manufacture of industrial chemicals	29.36	206.019	236.954	240.121	226.660	227.439
ii	301	Manufacture of fertilizers & pesticides	49.93	12.338	5.981	8.489	4.924	7.933
iii	304	Manufacture of medicines & allied products	3.40	3570.723	3768.393	3719.369	3167.546	3556.508
i	305	Manufacture of cosmetics	10.78	195.379	184.744	213.004	171.720	191.212
ii	309	Manufacture of chemical products not elsewhere classified	6.54	753.391	666.822	701.477	662.080	695.943

Sl. No	NIC Code	Item Description	Weight	Index for the quarter ending				Annual
				Jun 2004	Sep 2004	D. Dec 2004	Mar 2005	
11.	31	Manufacture of Rubber, Plastic, Petroleum etc	27.87	198.469	202.981	228.343	217.391	211.796
i	310	Tyre & tube industries	14.56	111.290	112.923	117.181	122.276	115.918
ii	311	Manufacture of footwear	2.98	35.909	46.651	44.226	41.426	42.053
iii	312	Manufacture of rubber products not elsewhere classified	23.29	22.155	23.191	25.598	22.955	23.475
iv	313	Manufacture of plastic products	1.31	11.738	10.073	11.811	15.463	12.271
v	314	Manufacture of refined petroleum products	56.49	311.383	317.995	360.892	341.344	332.904
vi	319	Manufacture of other coal & coal tar products	1.38	0.000	0.000	0.000	0.000	0
12.	32	Manufacture of Non-metallic Mineral Products	3.00	266.900	258.699	227.027	275.593	257.055
i	320	Manufacture of bricks, tiles etc	36.88	62.334	44.006	41.087	40.840	47.067

Sl. No	NIC Code	Item Description	Weight	Index for the quarter ending					Annual
				Jun 2004	Sep 2004	Dec 2004	Mar 2005	Annual	
i	323	Manufacture of non-structural ceramic ware	6.20	667.611	881.795	779.641	780.331	777.345	
ii	324	Manufacture of cement, lime & plaster	36.83	290.827	209.333	197.546	262.469	240.044	
iii	327	Manufacture of asbestos, cement & allied products	8.46	214.410	167.807	245.672	172.406	200.074	
iv	329	Manufacture of miscellaneous non-metallic mineral products not elsewhere classified	11.62	664.825	830.420	602.233	868.246	741.431	
13.	33	Basic Metal & Alloys	2.47	171.618	189.810	196.744	220.498	194.668	
i	330	Manufacture of iron & steel	16.34	216.658	239.478	222.451	221.488	225.019	
ii	336	Manufacture of zinc	83.66	162.822	180.109	191.724	220.305	188.740	
14.	34	Manufacture of Metal Products & Parts	0.55	186.708	181.434	170.911	192.637	182.922	
i	340	Manufacture of fabricated metal products	53.18	66.244	64.480	77.723	62.948	67.849	
ii	343	Manufacture of agricultural hand tools & other equipments	21.37	86.117	90.034	87.594	55.845	79.898	
iii	344	Manufacture of industrial forgings	25.45	522.827	502.505	435.546	578.428	509.827	
15.	35-36	Manufacture of Machinery & Equipments	4.74	266.386	258.138	253.781	264.307	260.653	
i	350	Manufacture of agricultural machinery & equipments	6.07	532.584	412.093	392.106	427.729	441.128	
ii	357	Manufacture of machine tools & their parts	8.77	0.000	0.000	0.000	0.000	0.000	

Sl. No	NIC Code	Item Description	Weight	Index for the quarter ending					Annual
				Jun 2004	Sep 2004	Dec 2004	Mar 2005	Annual	
iii	360	Manufacture of electrical, industrial machinery, apparatus & parts	31.93	365.386	425.624	370.953	379.142	385.276	
iv	361	Manufacture of insulated wires & cables	19.98	148.833	121.965	122.685	159.341	138.206	
v	365	Manufacture of apparatus for radio broadcasting, television transmission, radar apparatus etc	12.00	497.811	393.019	526.849	507.919	481.400	
vi	366	Manufacture of television receivers, reception apparatus for radio etc	8.14	149.697	165.421	132.379	122.993	142.623	
vii	368	Manufacture of electronic valves & tubes	13.12	120.052	93.365	99.442	110.574	105.858	
16.	38	Other Manufacturing Industries	0.15	219.593	205.895	229.037	204.587	214.778	
i	380	Manufacture of medical & measuring equipments except optical equipments	100	219.593	205.895	229.037	204.587	214.778	
17.	40	Electricity Generation, Transmission and Distribution	6.86	137.503	165.666	166.679	190.240	165.022	
i	400	Electricity Generation, Transmission and Distribution	100	137.503	165.666	166.679	190.240	165.022	

Index Figures 2005-06

The general index for the year 2005-06 increased from 205.81 to 208.31 showing an increase of 1.21%. among the 17 major groups, nine of them showed a marked increase in index while only two groups recorded a decreasing trend. Six groups remained more or less the same and remaining two maintained status quo.

TABLE III - INDEX OF INDUSTRIAL PRODUCTION 2005-06

Base Year: 1993-94

Sl. No	NIC Code	Item Description	Weight	Index 2005-06
1.	15-19	Mining and Quarrying	0.51	169.129
2.	20-21	Manufacture of Food Products	20.09	158.411
3.	22	Manufacture of Beverages, Tobacco etc	2.27	363.816
4.	23	Manufacture of Cotton Textiles	5.88	135.251
5.	24	Manufacture of Wool, Silk etc	0.09	272.333
6.	25	Manufacture of Jute & other Vegetable Fibre Textiles	0.62	110.058
7.	26	Manufacture of textile products & fibres	0.16	249.521
8.	27	Manufacture of Wood & Wood Products	1.26	73.820
9.	28	Manufacture of Paper & Paper Products	5.60	235.172
10.	30	Manufacture of Basic Chemicals & Chemical Products	17.90	248.855
11.	31	Manufacture of Rubber, Plastic, Petroleum etc	27.86	215.130
12.	32	Manufacture of Non-metallic Mineral Products	3.00	259.533
13.	33	Basic Metal & Alloys	2.47	212.206
14.	34	Manufacture of Metal Products & Parts	0.55	184.139
15.	35	Manufacture of Machinery & Equipments	4.74	292.606
16.	38	Other Manufacturing Industries	0.15	254.804
17.	40	Electricity Generation, Transmission and Distribution	6.85	172.966
15-40		General Index	100	208.31

TABLE IV - INDEX OF INDUSTRIAL PRODUCTION 2005-06

Base Year 1993-94

Sl. No	NIC Code	Item Description	Weight	Index for the quarter ending					Annual
				Jun 2005	Sep 2005	E. Dec 2005	Mar 2006	Annual	
		GENERAL INDEX	100	202.834	209.716	210.743	209.721	208.253	
1.	15-19	Mining & Quarrying	0.51	169.129	169.129	169.129	169.129	169.129	
2.	20-21	Manufacture of Food Products	20.09	161.085	158.992	160.692	152.876	158.411	
i.	201	Manufacture of dairy products	11.09	563.157	563.832	584.899	515.662	556.888	
ii.	202	Canning & preservation of fruits & vegetables	0.87	0.000	0.000	0.000	0.000	0.000	
iii.	204	Grain milling	12.30	104.772	170.683	65.514	68.927	102.474	
iv.	205	Manufacture of bakery products	1.16	259.301	266.240	254.506	178.214	239.565	
v.	209	Manufacturing & refining of Sugar	0.64	604.709	595.733	665.872	549.743	604.014	
vi.	211	Manufacture of Vegetable oils & fats	10.05	102.925	89.723	106.993	81.851	95.373	
vii.	213	Manufacture of tea	29.19	89.733	60.024	69.034	87.192	76.496	
viii.	215	Processing of cashew nuts	27.57	20.705	28.228	28.608	15.263	23.201	
ix.	217	Manufacture of animal feeds & oil cakes	4.44	324.083	274.632	367.800	460.250	356.691	
x.	219	Areca nuts & Copra	2.70	823.933	817.472	942.426	863.338	861.792	

Sl. No	NIC Code	Item Description	Weight	Index for the quarter ending					Annual
				Jun 2005	Sep 2005	F. Dec 2005	Mar 2006		
3.	22	Manufacture of Beverages, Tobacco etc	2.27	364.265	361.430	375.467	354.101	363.816	
i.	222	Manufacture of liquors	41.22	526.589	498.717	503.657	545.073	518.509	
ii.	226	Manufacture of beedi	58.78	250.421	265.145	285.563	220.164	255.323	
4.	23	Manufacture of Cotton Textiles	5.88	139.338	122.334	139.025	140.307	135.251	
i.	233	Manufacture of cotton shirting & furnishing cloth	12.45	127.890	141.902	172.905	134.751	144.362	
ii.	234	Manufacture of <i>cloth</i>	3.93	279.507	293.282	318.106	266.490	289.346	
iii.	235	Manufacture of cotton yarn	83.62	134.460	111.393	125.572	135.209	126.659	
5.	24	Manufacture of Wool, Silk etc	0.09	264.670	287.706	275.682	261.276	272.333	
i.	247	Manufacture of synthetic yarn	100	264.670	287.706	275.682	261.276	272.333	
6	25	Manufacture of Jute & other Vegetable Fibre Textiles	0.62	110.806	109.151	108.008	112.268	110.058	
i.	255	Manufacture of coir mattress	100	110.806	109.151	108.008	112.268	110.058	
7.	26	Manufacture of textile products & fibres	0.156	268.878	247.076	260.907	221.223	249.521	
i.	261	Manufacture of coir yarn	100	268.878	247.076	260.907	221.223	249.521	

Sl. No	NIC Code	Item Description	Weight	Index for the quarter ending					Annual
				Jun 2005	Sep 2005	G. Dec 2005	Mar 2006	Annual	
8.	27	Manufacture of Wood & Wood Products	1.26	71.657	77.571	73.962	72.091	73.820	
i.	270	Splint for matches & timber veneers	51.91	28.283	29.893	28.023	26.480	28.170	
ii.	271	Plywood & allied products	42.96	125.044	135.659	130.080	127.030	129.453	
iii.	276	Wooden furniture	5.14	63.453	73.544	68.857	73.529	69.846	
9.	28	Manufacture of Paper & Paper Products	5.60	225.777	224.868	242.604	247.438	235.172	
i.	280	Manufacture of pulp, paper & paper board	52.55	203.512	193.947	224.864	216.776	209.775	
ii.	281	Manufacture of paper boxes	3.27	63.148	45.570	45.465	62.357	54.135	
iii.	284 285	Newspapers, Advertising Materials	44.18	275.006	286.055	289.568	309.665	290.074	
10.	30	Manufacture of Basic Chemicals & Chemical Products	17.90	236.195	256.080	255.930	247.216	248.855	
i.	300	Manufacture of industrial chemicals	29.36	177.377	250.394	205.649	224.540	214.490	
ii.	301	Manufacture of fertilizers & pesticides	49.93	11.661	5.529	8.256	6.478	7.981	
iii.	304	Manufacture of medicines & allied products	3.40	3286.534	3496.803	3646.310	3340.443	3442.523	
iv.	305	Manufacture of cosmetics	10.78	177.276	170.822	181.248	172.898	175.561	
v.	309	Manufacture of chemical products not elsewhere classified	6.54	726.109	650.584	733.442	701.691	702.957	

Sl. No	NIC Code	Item Description	Weight	Index for the quarter ending				Annual
				Jun 2005	Sep 2005	H. Dec 2005	Mar 2006	
11.	31	Manufacture of Rubber, Plastic, Petroleum etc	27.87	208.739	214.700	215.299	221.781	215.130
i.	310	Tyre & tube industries	14.56	123.809	141.162	124.569	154.950	136.123
ii.	311	Manufacture of footwear	2.98	48.234	51.046	37.353	34.611	42.811
iii.	312	Manufacture of rubber products not elsewhere classified	23.29	30.603	28.688	24.848	23.487	26.907
iv.	313	Manufacture of plastic products	1.31	15.370	10.349	11.371	12.396	12.372
v.	314	Manufacture of refined petroleum products	56.49	322.121	328.960	336.578	340.907	332.142
vi.	319	Manufacture of other coal & coal tar products	1.38	0.000	0.000	0.000	0.000	0.000
12.	32	Manufacture of Non-metallic Mineral Products	3.00	247.629	264.095	270.821	255.589	259.533
i.	320	Manufacture of bricks, tiles etc	36.88	43.768	43.156	46.378	42.059	43.840
ii.	323	Manufacture of non-structural ceramic ware	6.20	936.919	950.851	990.507	970.478	962.189
iii.	324	Manufacture of cement, lime & plaster	36.83	214.274	218.969	220.032	204.868	214.536
iv.	327	Manufacture of asbestos, cement & allied products	8.46	214.781	214.402	226.681	190.340	211.551
v.	329	Manufacture of miscellaneous non-metallic mineral products not elsewhere classified	11.62	656.545	778.192	792.371	760.207	746.829

Sl. No	NIC Code	Item Description	Weight	Index for the quarter ending					Annual
				Jun 2005	Sep 2005	I. Dec 2005	Mar 2006		
13.	33	Basic Metal & Alloys	2.47	197.061	222.220	199.633	229.911	212.206	
i.	330	Manufacture of iron & steel	16.34	299.876	295.959	228.837	237.299	265.493	
ii.	336	Manufacture of zinc	83.66	176.980	207.818	193.929	228.468	201.799	
14.	34	Manufacture of Metal Products & Parts	0.55	180.526	178.148	185.544	192.340	184.139	
i.	340	Manufacture of fabricated metal products	53.18	57.472	61.256	70.442	70.327	64.874	
ii.	343	Manufacture of <i>agricultural hand tools</i> & other equipments	21.37	70.388	76.529	79.631	71.273	74.455	
iii.	344	Manufacture of <i>industrial forgings</i>	25.45	530.074	507.670	514.932	548.888	525.391	
15.	35-36	Manufacture of Machinery & Equipments	4.74	290.474	309.171	283.187	287.593	292.606	
i.	350	Manufacture of agricultural machinery & equipments	6.07	612.472	587.195	628.404	550.851	594.731	
ii.	357	Manufacture of machine tools & their parts	8.77	0.000	0.000	0.000	0.000	0.000	
iii.	360	Manufacture of electrical, industrial machinery, apparatus & parts	31.93	400.454	492.521	395.277	405.790	423.511	
iv.	361	Manufacture of insulated wires & cables	19.98	142.195	114.302	116.455	134.426	126.845	

Sl. No	NIC Code	Item Description	Weight	Index for the quarter ending					Annual
				Jun 2005	Sep 2005	J. Dec 2005	Mar 2006	Annual	
v.	365	Manufacture of apparatus for radio broadcasting, television transmission, radar apparatus etc	12.00	572.482	531.107	569.567	558.711	557.967	
vi.	366	Manufacture of television receivers, reception apparatus for radio etc	8.14	135.980	170.338	166.276	203.014	168.902	
vii.	368	Manufacture of electronic valves & tubes	13.12	131.672	120.849	104.421	108.092	116.259	
16.	38	Other Manufacturing Industries	0.15	284.096	325.828	198.742	210.550	254.804	
i.	380	Manufacture of medical & measuring equipments except optical equipments	100	284.096	325.828	198.742	210.550	254.804	
17.	40	Electricity Generation, Transmission and Distribution	6.86	164.746	168.595	179.555	178.970	172.966	
i.	400	Electricity Generation, Transmission and Distribution	100	164.746	168.595	179.555	178.970	172.966	

Sector-wise Annual Index Analysis

During the year 2005-06, the following industrial groups showed a considerable increase in their indices.

1. **Manufacture of Beverages, Tobacco etc (22)**
2. **Manufacture of Cotton Textiles (23)**
3. **Manufacture of Jute & Other Vegetable Fibre Textiles (25)**
4. **Manufacture of Textile Products & fibres (26)**
5. **Manufacture of Rubber, Plastic, Petroleum etc (31)**
6. **Basic Metal & Alloys (33)**
7. **Manufacture of Machinery and Equipments (35-36)**
8. **Other Manufacturing Industries (38)**
9. **Electricity Generation, Transmission and Distribution (40)**

1. Manufacture of Beverages, Tobacco etc. (22)

The index of this group shot up from 338.177 to 363.816 this year gaining 25.689 points, i.e. 7.58%. The major reason for this increase in index is the increase in the GVO reported from McDowell & Company, Vavanadu, Alappuzha.

2. Manufacture of Cotton Textiles (23)

When compared to 2004-05, the index showed a 7.7% increase by gaining 9.67 points, i.e. from 125.581 to 135.251 mainly as a result of the increase in GVO reported from Balaramapuram Handloom Weaving Co-operative Society, Thiruvananthapuram, Sitaram Textiles, Thrissur and Alagappa Textile Mills, Thrissur.

3. Manufacture of Jute & other Vegetable Fibre Textiles (25)

The index went up from 103.91 to 110.058 marking an increase of 5.92%. The major reason for this increase is the increased GVO reported from Kerala Balers Ltd., Ambalappuzha Coir Mats & Mattings, and South Indian Coir mats & Mattings, Alappuzha.

4. Manufacture of Textile Products & Fibres (26)

The index of this group showed an increase of 8.04%, i.e., the index rose up from 230.945 to 249.521 gaining 18.56 points. The reason for the increase is the increase in GVO of coir yarn reported from Palm Fibres & Yarn Trading Company, Alappuzha.

5. Manufacture of Rubber, Plastic, Petroleum etc (31)

The index of this group showed a slight increase of 1.57%. The index moved from 211.796 to 215.13 showing an increase of 3.334 points. This is as a result of the increase in GVO of petroleum products reported from Cochin Refineries, Ernakulam.

6. Manufacture of Basic Metal & Alloys (33)

This industry group showed a major increase of 9.01%, i.e., the index gained 17.538 point taking the index up from 194.668 to 212.206. The reason for this increase is the increase in GVO reported from Peekay Steel Casting; Kozhikkode.

7. Manufacture of Machinery and Equipments (35-36)

The index rose from 260.653 to 292.606 gaining 31.953 points, i.e., a 12.26% increase. The increase in the GVO reported from Kerala Agro Industries Corporation, Nedumbassery and Vijayaprakash Industries, Kozhikkode Pulled the increase in index.

8. Other Manufacturing Industries (38)

This group showed the most upward trend during the year. A change of 40.02 points rising from 214.778 to 254.804 marking a substantial increase of 18.64%. The increase in GVO reported from Anand Water Meter, Ernakulam and United Electricals, Kollam are the influencing factors.

9. Electricity Generation, Transmission and Distribution (40)

This sector showed an increasing trend. The index rose from 165.022 to 172.966, an increase of 7.944 points, i.e., 4.81%. The increase is due to the GVO increase reported.

Two, two-digit groups took a regressive movement in the year 2005-06. The following are those industry groups which showed a weakening of the industrial production.

1. Manufacture of Food Products (20-21)
2. Manufacture of Basic Chemicals & Chemical Products (30)

1. Manufacture of Food Products (20-21)

This industry group showed a marginal decrease in index of 2.21% during this year as a result of the decrease in GVO of Kanniamallay Estate Tea Factory, Munnar, Cochin Oil Industries, Aroor and Central Areca nut & Coco Ltd., Kasaragod. The index declined from 161.985 to 158.411 losing 3.574 points.

2. Manufacture of Basic Chemicals & Chemical Products (30)

The index lost 8.88 points. The index which was 357.735 last year has come down to 248.855 which is a decrease of 3.45%. This is due to the decrease in GVO reported from Hindustan Organic Chemicals, Ambalamugal.

CHART I

Weighting Diagram of all Industrial Sectors
(Base Year 1993-94)

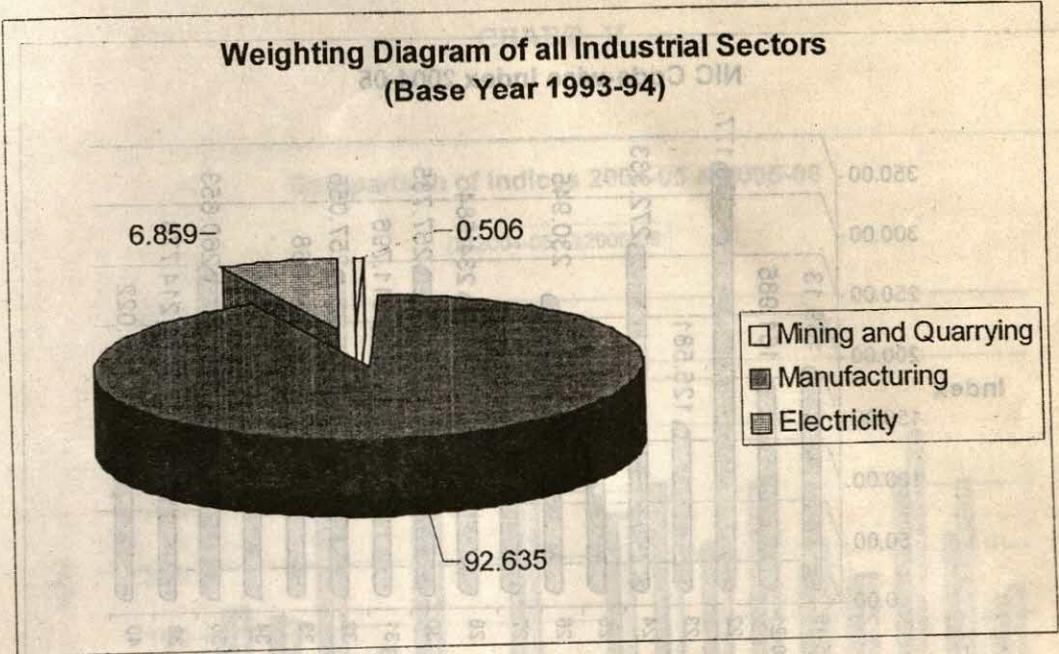


CHART II

Manufacturing Sector Weighting Diagram

NC codes

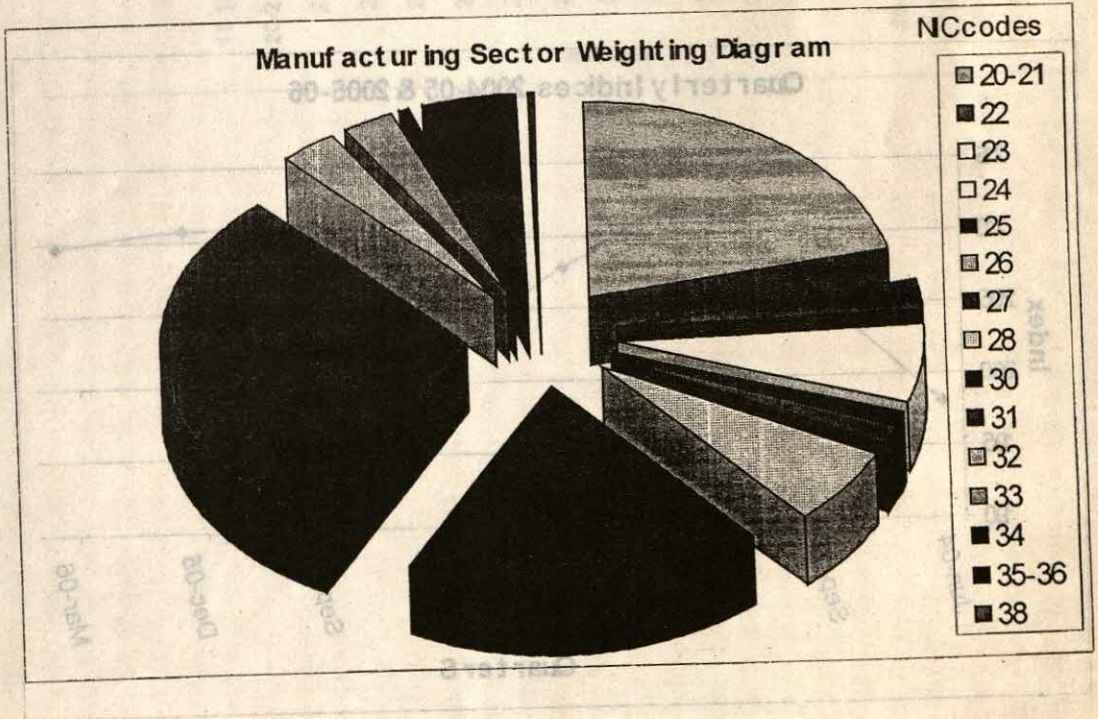


CHART III

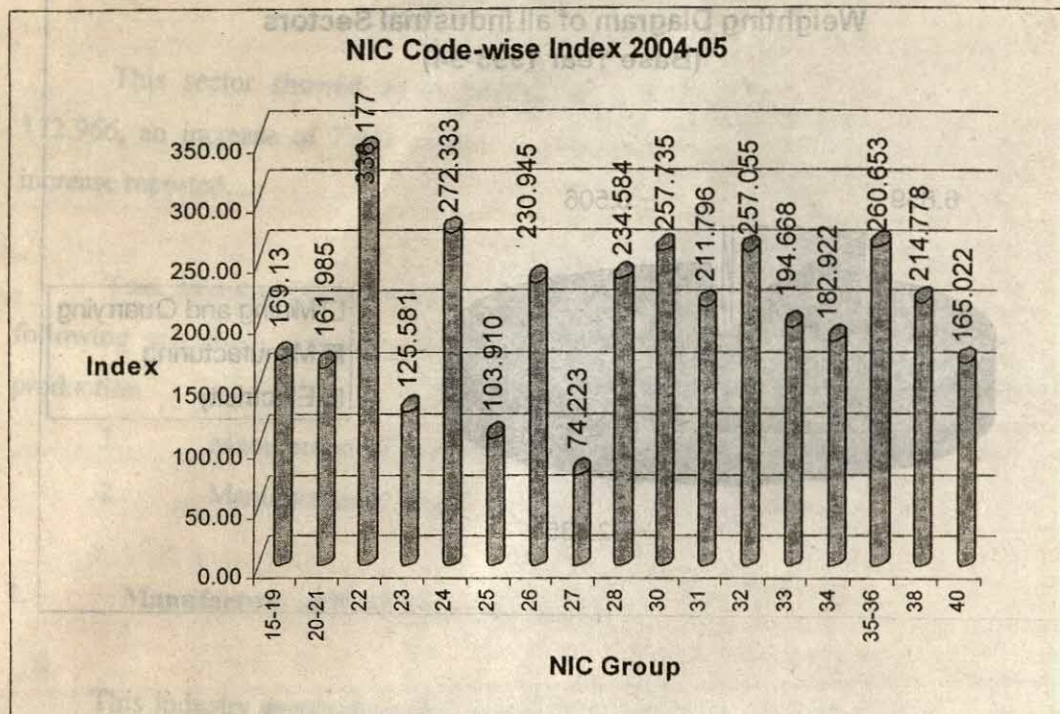


CHART IV

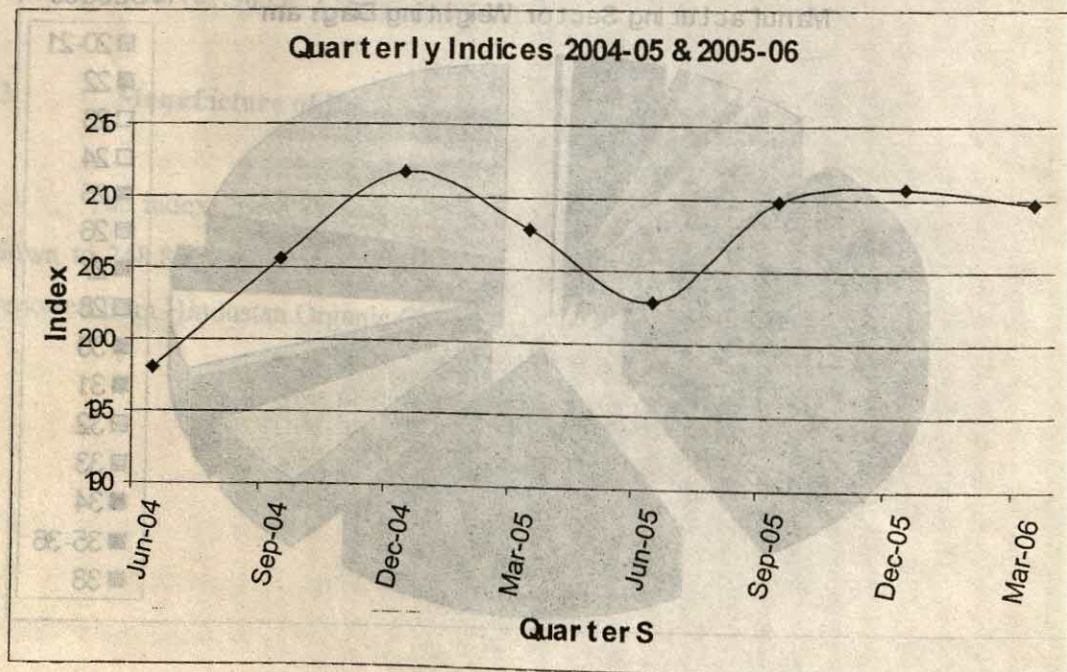


CHART V

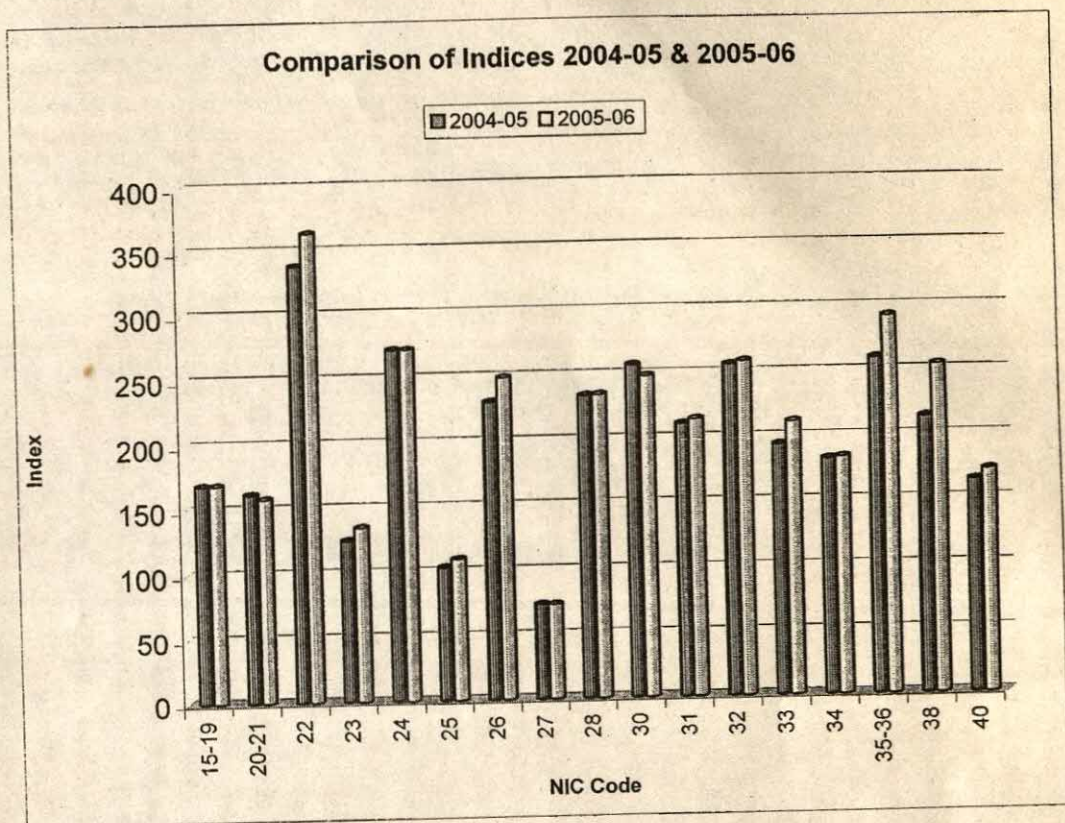
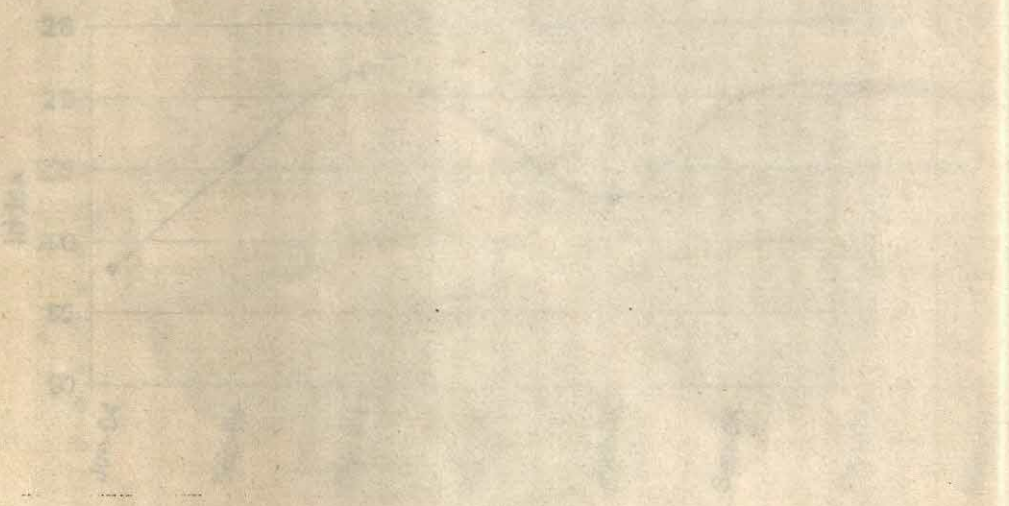
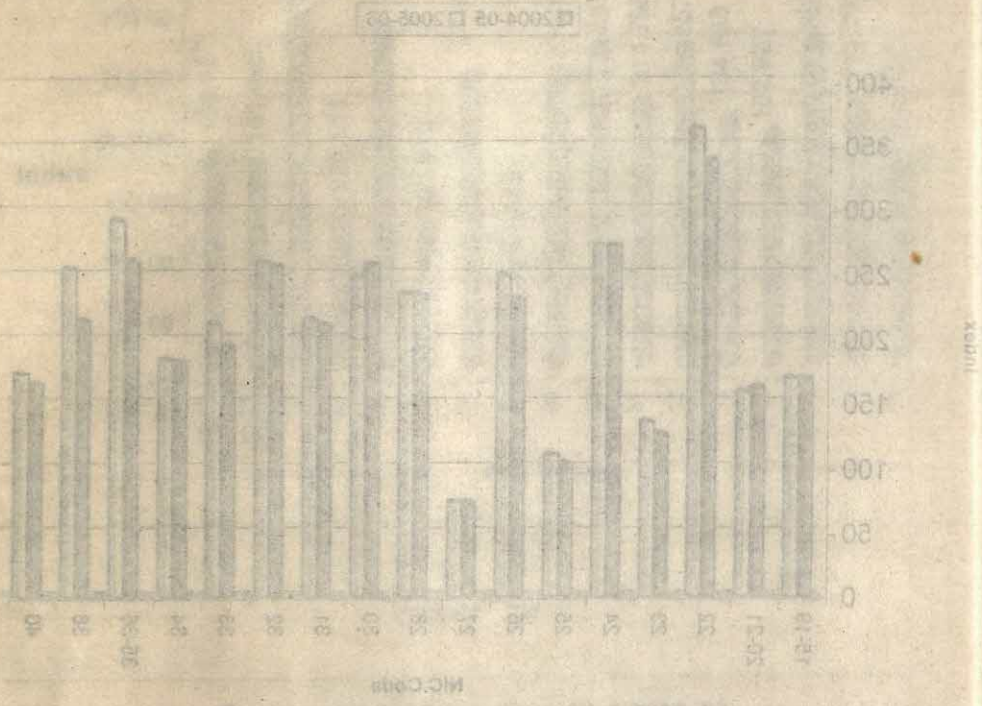


CHART V

Comparison of Indices 2004-05 & 2005-06



585

