

***PERFORMANCE OF
CHEMICAL & PETROCHEMICAL
INDUSTRY AT A GLANCE
(2001-2007)***



सत्यमेव जयते

**MONITORING AND EVALUATION DIVISION
DEPARTMENT OF CHEMICALS & PETROCHEMICALS
MINISTRY OF CHEMICALS & FERTILIZERS
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NEW DELHI**

C O N T E N T S

<u>SUBJECT</u>	<u>PAGE NO.</u>
I Coverage & Definitions	(i-iii)
II Index of Industrial Production	1
III Wholesale Price Index Number	2-3
IV <u>Chemical Sector</u>	
1 State- wise share in capacity & production	4
2 Group-wise Capacity and Production	5
3 Product-wise Capacity and Production	6-10
4 Group-wise Export & Import of Chemicals	11
4 Product-wise Import of Major Chemicals	12- 18
5 Product-wise Export of Major Chemicals	19-25
v <u>Petrochemical Sector</u>	
1 State-wise Production	26
2 Group / Product-wise Capacity	27-30
3 Group-wise Capacity and Production	31
4 Product-wise Capacity and Production	32-35
5 Group-wise Export & Import of Major Petrochemicals	36
6 Product-wise Import of Major Petrochemicals	37-40
7 Product-wise Export of Major Petrochemicals	41-44
8 Group-wise consumption of Petrochemicals	45
9 Product-wise Consumption of Petrochemicals	46-48

COVERAGE & DEFINITIONS

This Department has been publishing from time to time various statistical tables and data fact sheets pertaining to Chemicals and Petrochemical in non-SSI sector for easy accessibility and wider use by other departments, industry and interested users. This issue is a further step in the same direction in which more exhaustive information on the various chemical and petrochemical products has been presented. The product coverage, definitions and sources used in the publication are given as under:

1. **Period** : The years in respect of which the group wise data has been presented are from 2001-02 to 2006-07

2. **Major Chemicals** : The major chemicals which have been covered in the publication are :
 - (i) Alkali : Soda Ash, Caustic soda, Liquid Chlorine.

 - (ii) Inorganic : Aluminum Fluoride, Calcium Carbide, Carbon Black, Potassium Chlorate, Sodium Chlorate, Titanium Dioxide, Red Phosphorous.

 - (iii) Organic : Acetic Acid, Acetic Anhydride, Acetone, Phenol, Methanol, Formaldehyde, Nitrobenzene, Citric Acid, Maleic Anhydride, Penta-Erithritol, Aniline, Chloro Methanes, ONCB, PNCB, MEK, Acetaldehyde, Ethanolamines, Ethyl Acetate, Ortho-nitro toluene.

 - (iv) Pesticide : Pesticides/Insecticides registered under section 9(3) of the Insecticide Act 1968.

 - (v) Dyes and dyestuff : Azo Dyes, Acid Direct Dyes, Basic Dyes, Fast Colour Bases, Ingrain Dyes, Oil Soluble (Solvent Dyes), Optical Whitening Agents, Organic Pigment Colours, Pigment Emulsion, Reactive Dyes, Sulphur Dyes, Vat Dyes, Food Colours, Naphthols, Other Dyes.

(ii)

- 2. Major Petrochemicals** : The products which have been covered in the publication are as under:
- (i) Synthetic Fibres : AF, NFY, NIY/TC, PFY, PSF, PPFY, PPSF, PSFF
 - (ii) Fibre Intermediates : ACN, Caprolactum, DMT, PTA, MEG
 - (iii) Polymer : Polyethylenes, PP, PS, Ex-PS, PVC
 - (iv) Elastomers : SBR, PBR, NBR, EPDM, EVA, Butyl Rubber
 - (v) Surfactants : LAB, EO
 - (vi) Performance Plastics : ABS Resin, Nylon-6/Nylon 66, PMMA, SAN
 - (vii) Building Blocks
 - Olefins : Ethylene, Propylene, Butadiene
 - Aromatics : Benzene, Toluene, Orthoxylene, Paraxylene, Mixed Xylene
 - (viii) Other Petro-based Chemicals : Butanol, C4- Raffinate, DEG, Diacetone Alcohol, 2-Ethyl Hexanol, Epichlorohydrine, Isopropanol, EDC, VAM, MMA, MIBK, PAN, PO, PG, VCM.
- 4. Items Covered :** : The items in respect of which the data has been presented along with their sources are:
- (i) Installed capacity : Installed capacity of the product has been taken at the end of the year i.e.31st March, based on returns received directly from the companies under large and medium scale every month.
 - (ii) Production: : Based on returns received directly from the companies under large and medium scale every month.
 - (iii) Imports & Exports : Based on the data published in the Monthly Statistics of Foreign Trade received from DGCI&S, Kolkata.

(iii)

(iv) Index of Industrial Production: : Central Statistical Organization

(v) Wholesale price Index : Office of the Economic Adviser

5. Companies: : Selected Private (Medium and Large Scale Units) and Public Sector Undertakings have been taken. Also excludes all small scale units. The production and capacity may therefore does not reflect the whole economy.

INDEX OF INDUSTRIAL PRODUCTION

(Base: 1993-94=100)

Years	Basic Chemicals & Chemical Products	Mining & Quarrying	Manufacturing	Electricity	General Index
Weight	140.02	104.73	793.58	101.69	1000
1994-95	105.3	109.8	109.1	108.5	109.1
1995-96	117.1	120.5	124.5	117.3	123.3
1996-97	122.7	118.2	133.6	122.0	130.8
1997-98	140.4	126.4	142.5	130.0	139.5
1998-99	149.7	125.4	148.8	138.4	145.2
1999-00	164.6	126.7	159.4	148.5	154.9
2000-01	176.6	130.3	167.9	154.4	162.6
2001-02	185.0	131.9	172.7	159.2	167.0
2002-03	191.8	139.6	183.1	164.3	176.6
2003-04	208.4	146.9	196.6	172.6	189.0
2004-05	238.6	153.4	214.6	181.5	204.8
2005-06	258.5	154.9	234.2	190.9	221.5
2006-07	282.8	163.1	263.5	204.7	247.0
Growth over the corresponding period of previous year					
2002-03	3.7	5.8	6.0	3.2	5.7
2003-04	8.7	5.2	7.4	5.1	7.0
2004-05	14.5	4.4	9.2	5.2	8.4
2005-06	8.3	1.0	9.1	5.2	8.2
2006-07	9.4	5.3	12.5	7.2	11.5

Source : CSO, MOSPI

WHOLESALE PRICE INDEX - MAJOR GROUPS AND SUB - GROUPS

(BASE 1993-94 = 100)

MAJOR GROUPS & SUB GROUPS	Weight	INDICES						Growth in 2005-06 over		
		2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	1993-94	2000-01	2004-05
ALL COMMODITY	100	155.7	161.3	166.8	175.9	187.3	195.6	5.8	4.7	4.4
I PRIMARY ARTICLE	22.03	162.5	168.4	174.0	181.5	188.1	193.6	5.7	3.6	2.9
(A) Food Articles	15.40	170.5	176.1	179.2	181.5	186.3	195.3	5.7	2.8	4.8
(B) Non-Food Articles	6.14	146.5	152.9	165.4	186.3	187.6	179.1	5.0	4.1	-4.5
(C) Minerals	0.48	113.5	119.3	118.8	121.6	255.1	322.8	10.3	23.3	26.5
II FUEL, POWER ,LIGHT & LUBRICANTS	14.23	208.1	226.7	239.2	254.5	280.2	306.8	9.8	8.1	9.5
A. Coal Mining	1.75	161.1	181.7	181.1	193.6	223.3	231.6	7.2	7.5	3.7
B. Minerals Oils	6.99	226.2	239.5	254.7	274.3	315.8	359.8	11.3	9.7	13.9
C. Electricity	5.48	200.0	224.8	238.0	248.8	253.0	263.4	8.4	5.7	4.1
III MANUFACTURED PRODUCTS	63.75	141.7	144.3	148.1	156.5	166.3	171.4	4.6	3.9	3.1
(A) Food Products	11.54	145.7	145.4	153.0	166.7	174.9	176.8	4.9	3.9	1.1
(B) Beverages, Tobacco & Tobacco Products	1.34	179.8	193.8	204.3	205.6	216.2	226.8	7.1	4.8	4.9
(C) Textiles	9.80	119.9	119.3	122.2	131.6	135.7	129.5	2.2	1.6	-4.6
(D) Wood & Wood Products	0.17	180.0	174.4	179.1	179.4	179.5	194.6	5.7	1.6	8.4
(E) Paper & Paper Products	2.04	165.4	172.8	174.0	173.3	174.6	178.6	5.0	1.5	2.3
(F) Leather & Leather Products	1.02	149.6	141.0	130.1	146.9	155.7	166.8	4.4	2.2	7.1
(G) Rubber & Plastic Products	2.39	125.5	126.0	132.6	135.0	134.5	139.1	2.8	2.1	3.4
(H) Chemicals & Chemical Products	11.93	164.4	169.0	173.9	177.2	181.7	188.2	5.4	2.7	3.6
(I) Non-Metallic Mineral Products	2.52	133.9	144.0	143.4	148.3	157.7	170.0	4.5	4.9	7.8
(J) Basic Metals Alloys & Metals Products	8.34	140.3	140.7	145.1	167.8	203.3	218.4	6.7	9.3	7.4
(K) Machinery & Machine Tools	8.36	123.0	129.1	130.3	132.7	140.2	147.4	3.3	3.7	5.1
(L) Transport Equipment & Parts	4.29	143.4	146.8	147.5	147.4	154.3	159.9	4.0	2.2	3.6

Source: Office of the Economic Adviser, Ministry of Commerce and Industry

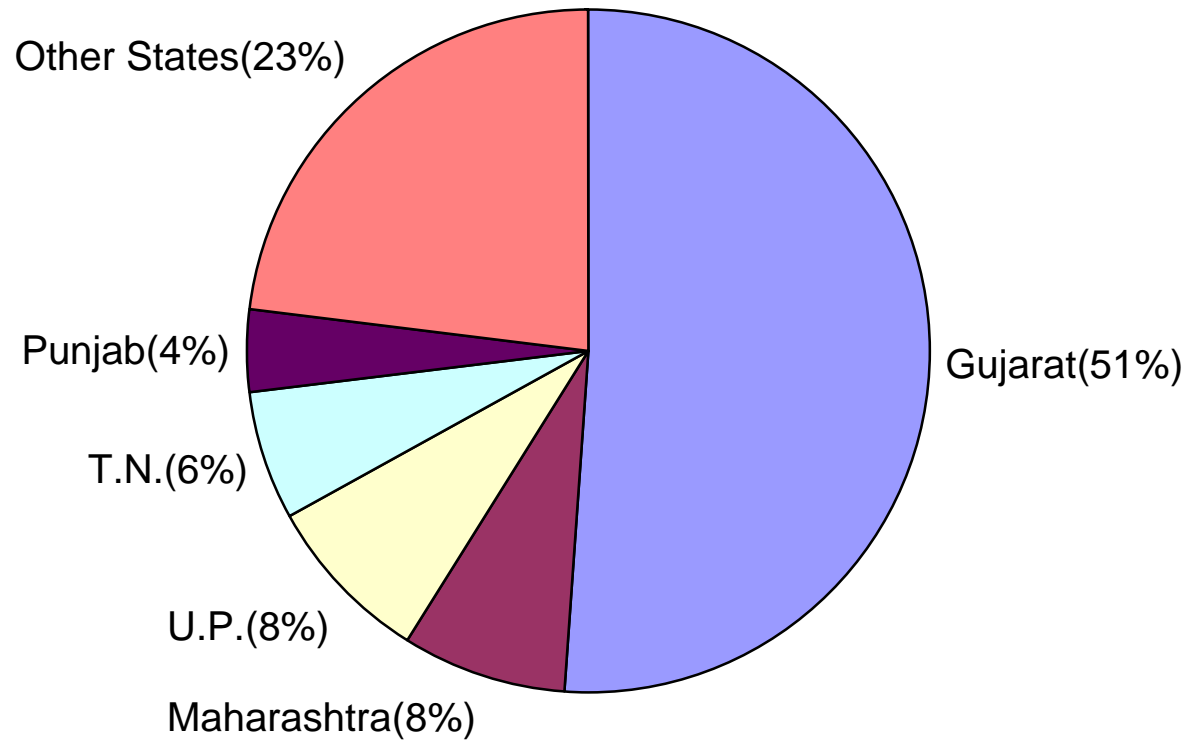
WHOLESALE PRICE INDEX OF SUB - GROUP : CHEMICAL PRODUCTS INCLUDING PETROCHEMICALS

(BASE 1993-94 = 100)

SUB GROUP OF CHEMICALS & CHEMICAL PRODUCTS	Weight	INDICES						Growth in 2005-06 over		
		2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	1993-94	2000-01	2004-05
a. Basic Heavy Inorganic Chemical	1.45	131.2	133.7	136.0	152.0	158.9	174.4	4.7	5.9	9.8
b. Basic Heavy Organic Chemical	0.45	119.0	128.3	125.7	131.4	174.1	164.1	4.2	6.6	-5.7
c. Fertilisers & Pesticides	4.16	153.8	157.7	163.9	164.7	166.3	171.6	4.6	2.2	3.2
d. Paints, Varnishes & Lacquers	0.50	114.0	115.8	113.3	113.1	113.1	124.0	1.8	1.7	9.6
e. Dyestuffs & Indigo	0.18	108.0	106.0	106.2	109.6	110.1	110.8	0.9	0.5	0.6
f. Drugs & Medicines	2.53	244.2	252.7	254.5	261.0	267.1	278.1	8.9	2.6	4.1
g. Perfumes, Cosmetics, Toiletries etc	0.98	186.9	192.8	199.9	204.3	202.7	204.9	6.2	1.9	1.1
h. Turpentine, Synthetic Resins, Plastic materials etc	0.75	114.3	113.0	138.1	121.6	128.7	131.8	2.3	2.9	2.4
i. Matches, Explosives & Other Chemicals nec	0.94	123.1	127.4	128.2	129.8	128.6	128.8	2.1	0.9	0.2
SUB-GROUP TOTAL	11.93	164.4	169.0	173.9	177.2	181.7	188.2	5.4	2.7	3.6

Source: Office of the Economic Adviser, Ministry of Commerce and Industry

STATE WISE SHARE IN PRODUCTION OF SELECTED MAJOR CHEMICALS (2006-07)



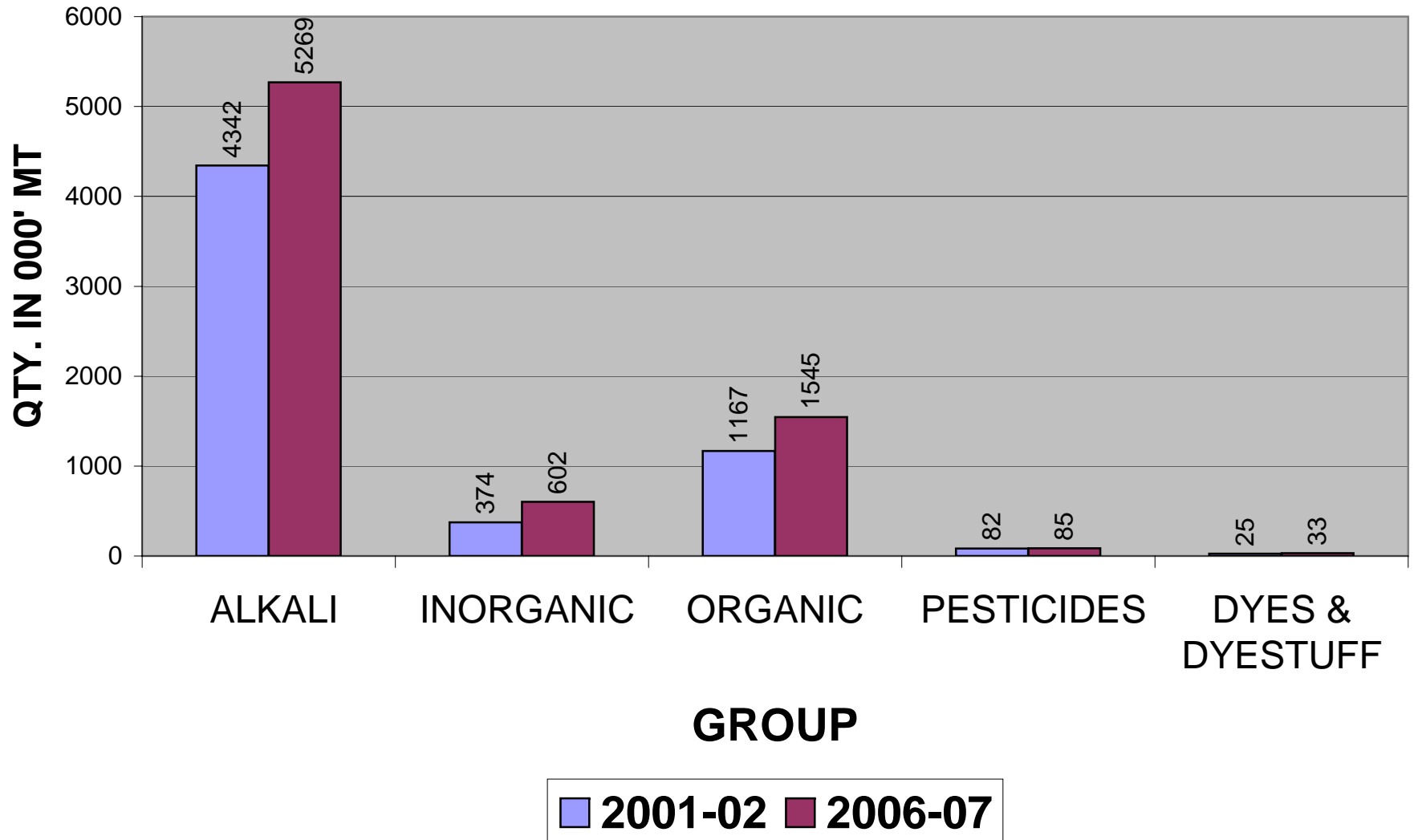
STATE WISE CAPACITY, PRODUCTION AND SHARE OF MAJOR CHEMICALS
(2004-05 TO 2006-07)

Figures in MT

SI No	State	CAPACITY			PRODUCTION			% SHARE IN PRODN.		
		Mar. 05	Mar. 06	Mar. 07	2004-05	2005-06	2006-07(P)	2004-05	2005-06	2006-07
1	Andhra Pradesh	312312	416312	416312	229213	255524	274935	3.1	3.3	3.6
2	Assam	121841	123750	123750	95172	100369	94331	1.3	1.3	1.3
3	Bihar	9600	9600	9600	1552	0	0	0.0	0.0	0.0
4	Gujarat	4469289	4493929	4865009	3973529	4091078	3875663	53.6	53.3	51.4
5	Haryana	30110	30110	30110	7004	6081	5675	0.1	0.1	0.1
6	Jharkhand	92160	108160	131250	89527	81311	121569	1.2	1.1	1.6
7	Karnataka	83000	83000	83000	61334	62266	59697	0.8	0.8	0.8
8	Kerala	260750	279750	287794	214946	185037	209165	2.9	2.4	2.8
9	Madhya Pradesh	477000	463100	463140	330533	341123	286055	4.5	4.4	3.8
10	Maharashtra	1013726	1010641	1028569	725221	698199	565481	9.8	9.1	7.5
11	Orissa	38000	38000	38000	34202	36800	38193	0.5	0.5	0.5
12	Pondicherry	110000	110000	110000	123637	141474	163980	1.7	1.8	2.2
13	Punjab	364484	364484	364484	288393	311896	326754	3.9	4.1	4.3
14	Rajasthan	277775	409675	453425	159026	247722	318874	2.1	3.2	4.2
15	Tamilnadu	508875	524665	531265	474937	467740	454593	6.4	6.1	6.0
16	Uttar Pradesh	526680	636560	719610	439700	486225	562593	5.9	6.3	7.5
17	West Bengal	256316	255411	253061	160265	162777	176433	2.2	2.1	2.3
	Total	8951918	9357147	9908379	7408191	7675622	7533991	100.0	100.0	100.0

P: Provisional

PRODUCTION OF SELECTED MAJOR CHEMICALS



GROUP-WISE CAPACITY & PRODUCTION OF MAJOR CHEMICALS

(Figures in MT)

Main Groups	Inst. Cap. As on		Production						Growth (%) in 2006-07		CARG (%)
	March 06	March 07	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07(P)	Inst. Cap.	Prodn.	Prodn.
									col.3/col.2	col.9/col.8	col.9/col.4
1	2	3	4	5	6	7	8	9	10	11	12
I : ALKALI	6602680	7072334	4342305	4792345	5070374	5271675	5474614	5268987	7.1	-3.8	3.9
II : INORGANIC	742015	748615	374132	403827	440608	508157	543965	602309	0.9	10.7	10.0
III : ORGANIC	1811858	1889448	1166575	1352653	1473855	1505895	1545262	1545442	4.3	0.0	5.8
IV : PESTICIDES	148551	145391	81803	69565	85118	93966	82240	84701	-2.1	3.0	0.7
V : DYES & DYESTUFF	52043	52591	24789	26196	25940	28498	29541	32552	1.1	10.2	5.6
TOTAL MAJOR CHEMICALS											
(I+II+III+IV+V)	9357147	9908379	5989604	6644586	7095895	7408191	7675622	7533991	5.9	-1.8	4.7

P : PROVISIONAL

PRODUCTWISE CAPACITY AND PRODUCTION OF MAJOR CHEMICALS

(FIGURES IN MT)

Group/Product	CAPACITY		PRODUCTION						GROWTH(%) 06-07/05-06		CARG(%)	
	MARCH, 06	MARCH, 07	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07(P)	CAPACITY	PRODN.	PRODN.	
1	2	3	4	5	6	7	8	9	10	11	12=06-07/01-02	
I												
ALKALI CHEMICALS												
1	SODA ASH	2626000	2651000	1830446	2057121	2167079	2287244	2298241	2078057	1.0	-9.6	2.6
2	CAUSTIC SODA	2294742	2561316	1563509	1662044	1749261	1795879	1882570	1914217	11.6	1.7	4.1
3	LIQUID CHLORINE	1681938	1860018	948350	1073180	1154034	1188552	1293803	1276713	10.6	-1.3	6.1
	TOTAL	6602680	7072334	4342305	4792345	5070374	5271675	5474614	5268987	7.1	-3.8	3.9
II												
INORGANIC CHEMICALS												
1	ALUMINIUM FLOURIDE	20610	27210	17976	14821	16221	13881	20083	20303	32.0	1.1	2.5
2	CALCIUM CARBIDE	142350	142350	58802	49015	47947	52727	64638	91951	0.0	42.3	9.4
3	CARBON BLACK	455000	455000	247824	291788	323751	381258	395100	422472	0.0	6.9	11.3
4	POTASSIUM CHLORATE	11625	11625	2264	2150	2296	2261	3393	4127	0.0	21.6	12.8
5	SODIUM CHLORATE	2500	2500	0	0	0	0	0	0	0.0	-	-
6	TITANIUM DIOXIDE	108250	108250	46501	45463	49839	57560	60293	62921	0.0	4.4	6.2
7	RED PHOSPHORUS	1680	1680	765	590	554	470	458	535	0.0	16.8	-6.9
	TOTAL	742015	748615	374132	403827	440608	508157	543965	602309	0.9	10.7	10.0

(FIGURES IN MT)

Group/Product	CAPACITY		PRODUCTION						GROWTH(%) 06-07/05-06		CARG(%)
	MARCH, 06	MARCH, 07	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07(P)	CAPACITY	PRODN.	PRODN.
1	2	3	4	5	6	7	8	9	10	11	12=06-07/01-02
ORGANIC CHEMICALS											
1 ACETIC ACID	349440	349440	232005	251683	308084	287901	305911	287847	0.0	-5.9	4.4
2 ACETIC ANHYDRIDE	42820	42820	29995	23191	28476	26707	28626	30596	0.0	6.9	0.4
3 ACETONE	45500	45500	38785	44131	46720	51677	36785	44216	0.0	20.2	2.7
4 PHENOL	74200	74200	60844	76216	75145	84140	58208	71273	0.0	22.4	3.2
5 METHANOL	354610	385210	309296	362165	389401	392198	386759	396228	8.6	2.4	5.1
6 FORMALDEHYDE	311540	311540	147613	181849	199127	196010	249392	234819	0.0	-5.8	9.7
7 NITROBENZENE	54000	54000	26283	25697	27923	26512	23591	14728	0.0	-37.6	-10.9
8 CITRIC ACID	6250	6250	5621	3327	0	0	0	0	0.0	-	-100.0
9 MALEIC ANHYDRIDE	23150	23150	13948	11885	14436	13402	12751	12952	0.0	1.6	-1.5
10 PENTA-ERITHRITOL	16800	16800	14353	14042	15245	14483	15182	13730	0.0	-9.6	-0.9
11 ANILINE	48700	48700	44427	47287	45041	49602	48109	47368	0.0	-1.5	1.3
12 CHLORO METHANES	83760	89700	81562	79129	89565	92486	93798	92188	7.1	-1.7	2.5
13 ISOBUTYLE	3500	3500	0	1950	1680	1678	2313	2516	0.0	8.8	-
14 ONCB	28300	33300	14966	15171	12239	15599	14754	12822	17.7	-13.1	-3.0
15 PNCB	31600	36600	23552	24506	18529	24665	22232	18460	15.8	-17.0	-4.8
16 MEK	9000	9000	4237	8742	7636	7273	1363	96	0.0	-93.0	-53.1
17 ACETALDEHYDE	205060	210310	118930	126152	127452	139729	159106	163867	2.6	3.0	6.6
18 ETHANOLAMINES	10000	10000	158	10996	6543	9341	8645	7265	0.0	-16.0	115.0
19 ETHYL ACETATE	104828	130628	0	40118	53806	66262	70292	87674	24.6	24.7	-
20 ORTHO NITRO TOLUENE	8800	8800	0	4416	6807	6230	7445	6797	0.0	-8.7	-
TOTAL	1811858	1889448	1166575	1352653	1473855	1505895	1545262	1545442	4.3	0.0	5.8

(FIGURES IN MT)

Group/Product	CAPACITY		PRODUCTION						GROWTH(%) 06-07/05-06		CARG(%)	
	MARCH, 06	MARCH, 07	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07(P)	CAPACITY	PRODN.	PRODN.	
1	2	3	4	5	6	7	8	9	10	11	12=06-07/01-02	
PESTICIDES AND INSECTICIDES												
1	D.D.T.	6344	6344	3513	2937	4471	4036	4429	4495	0.0	1.5	5.1
2	MALATHION	11760	8800	5597	4248	3945	4710	2740	4040	-25.2	47.4	-6.3
3	PARATHION (METHYL)	4000	4000	2055	2038	1305	975	464	0	0.0	-100.0	-100.0
4	DIMETHOATE	3220	3220	847	758	923	897	828	971	0.0	17.3	2.8
5	D.D.V.P.	4320	4320	2832	2512	3458	4984	3840	3890	0.0	1.3	6.6
6	QUINALPHOS	4000	4000	2111	1770	1841	866	855	823	0.0	-3.7	-17.2
7	MONOCROTOPHOS	13965	13965	6706	6519	8121	9507	4899	4913	0.0	0.3	-6.0
8	PHOSPHAMIDON	3900	3900	534	835	356	393	542	366	0.0	-32.5	-7.3
9	PHORATE	8200	8200	4767	3156	5083	3637	6220	5713	0.0	-8.2	3.7
10	ETHION	5630	5630	4132	1680	2829	1788	1508	1804	0.0	19.6	-15.3
11	ENDOSULPHAN	10100	9900	4489	3663	3597	3054	2939	3898	-2.0	32.6	-2.8
12	FENVALERATE	2650	2650	1192	522	821	627	573	509	0.0	-11.2	-15.6
13	CYPERMETHRIN	6900	6900	5128	5078	5173	6524	6484	5100	0.0	-21.3	-0.1
14	ANILOPHOS	1100	1100	596	354	471	363	197	21	0.0	-89.3	-48.8
15	ACEPHATE	9220	9220	4354	4837	3993	6136	8475	8333	0.0	-1.7	13.9
16	CHLORPYRIPHOS	9090	9090	6950	6400	8108	9128	4942	4654	0.0	-5.8	-7.7
17	PHOSALONE	1000	1000	513	438	486	543	274	246	0.0	-10.2	-13.7
18	METASYSTOX	*	*	660	513	499	556	317	629	-	98.4	-1.0
19	ABATE	*	*	1	45	0	0	0	0	-	-	-100.0
20	FENTHION	*	*	69	905	220	179	330	122	-	-63.0	12.1
21	TRIAZOPHOS	*	*	1523	1151	2110	2942	2853	1835	-	-35.7	3.8

(FIGURES IN MT)

	Group/Product	CAPACITY		PRODUCTION						GROWTH(%) 06-07/05-06		CARG(%)
		MARCH, 06	MARCH, 07	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07(P)	CAPACITY	PRODN.	PRODN.
	1	2	3	4	5	6	7	8	9	10	11	12=06-07/01-02
22	LINDANE	730	730	266	331	414	375	177	251	0.0	41.8	-1.2
23	TEMEPHOS	240	240	208	122	91	253	29	88	0.0	203.4	-15.8
24	DELTAMETHRIN	547	547	97	212	182	390	310	341	0.0	10.0	28.6
25	ALPHAMETHRIN	1528	1528	303	194	209	330	249	172	0.0	-30.9	-10.7
26	CAPTAN & CAPTAFOL	1800	1800	1177	782	838	852	13	192	0.0	1376.9	-30.4
27	ZIRAM(THIO BARBAMATE)	454	454	0	0	278	285	112	243	0.0	117.0	-
28	CARBENDZIM(BAVISTIN)	1465	1465	702	1263	835	732	426	138	0.0	-67.6	-27.8
29	CALIXIN	200	200	61	52	46	74	35	29	0.0	-17.1	-13.8
30	MANCOZAB	20700	20700	11628	10188	17251	20801	18857	22875	0.0	21.3	14.5
31	COPPER-OXYCHLORIDE	1500	1500	18	237	153	0	0	0	0.0	-	-100.0
32	2, 4-D	1200	1200	215	0	186	132	329	0	0.0	-100.0	-100.0
33	BUTACHLOR	500	500	363	244	333	264	254	182	0.0	-28.3	-12.9
34	ISOPROTURON	5388	5388	3779	2657	4409	4664	4295	3150	0.0	-26.7	-3.6
35	GLYPHOSATE	2640	2640	409	107	308	1019	1517	2100	0.0	38.4	38.7
36	PARAQUAT	*	*	1000	0	0	0	0	0	-	-	-100.0
37	DIURON	100	100	0	48	64	0	0	0	0.0	-	-
38	ATRAZIN	500	500	203	200	61	39	0	93	0.0	-	-14.5
39	FLUCHLORALIN	200	200	133	185	157	172	119	101	0.0	-15.1	-5.4
40	ZINC PHOSPHIDE	860	860	338	235	226	307	254	807	0.0	217.7	19.0
41	ALUMINIUM PHOSPHIDE	2300	2300	2184	1991	1174	1362	1518	1526	0.0	0.5	-6.9
42	METHYL BROMIDE	150	150	41	56	0	0	0	0	0.0	-	-100.0
43	DICOFOL	150	150	109	102	93	70	37	51	0.0	37.8	-14.1
	TOTAL	148551	145391	81803	69565	85118	93966	82240	84701	-2.1	3.0	0.7

(FIGURES IN MT)

Group/Product	CAPACITY		PRODUCTION						GROWTH(%) 06-07/05-06		CARG(%)	
	MARCH, 06	MARCH, 07	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07(P)	CAPACITY	PRODN.	PRODN.	
1	2	3	4	5	6	7	8	9	10	11	12=06-07/01-02	
DYES AND DYESTUFFS												
1	AZO DYES	8662	8662	2864	4096	3949	4124	3908	3526	0.0	-5.2	4.2
2	ACID DIRECT DYES(OTHER THAN AZO)	180	180	25	10	0	0	0	0	0.0	-	-100.0
3	BASIC DYES	535	535	14	2	0	0	0	0	0.0	-	-100.0
4	DISPERSE DYES	6484	6484	1870	1288	1225	1115	1127	997	0.0	-11.5	-11.8
5	FAST COLOUR BASES	600	600	0	0	8	2	0	10	0.0	-	-
6	INGRAIN DYES	273	501	188	29	155	179	423	573	83.5	35.5	25.0
7	OIL SOLUBLE (SOLVENT DYES)	1600	1600	273	324	3	0	0	0	0.0	-	-100.0
8	OPTICAL WHITENING AGENTS	1090	1090	525	405	303	267	369	451	0.0	22.2	-3.0
9	ORGANIC PIGMENT COLOURS	10541	10961	9808	10932	11269	13546	13574	16451	4.0	21.2	10.9
10	PIGMENT EMULSION	6040	5940	1931	2015	2365	2266	2219	1823	-1.7	-17.8	-1.1
11	REACTIVE DYES	6200	6200	2687	2984	2279	2647	2865	1162	0.0	-59.4	-15.4
12	SULPHUR DYES (SULPHUR BLACK)	3300	3300	1588	2260	2904	2558	2995	5721	0.0	91.0	29.2
13	VAT DYES	2861	2861	1515	1445	989	1228	1598	1491	0.0	-6.7	-0.3
14	SOLUBILISED VAT DYES	127	127	33	36	14	23	23	23	0.0	0.0	-7.0
15	NAPTHOLS	3550	3550	766	370	477	543	440	324	0.0	-26.4	-15.8
16	OTHER DYES	*	*	702	0	0	0	0	0	-	-	-100.0
	TOTAL	52043	52591	24789	26196	25940	28498	29541	32552	1.1	10.2	5.6
	ALL MAJOR CHEMICALS	9357147	9908379	5989604	6644586	7095895	7408191	7675622	7533991	5.9	-1.8	4.7
P: Provisional												
*: Combined Capacity												

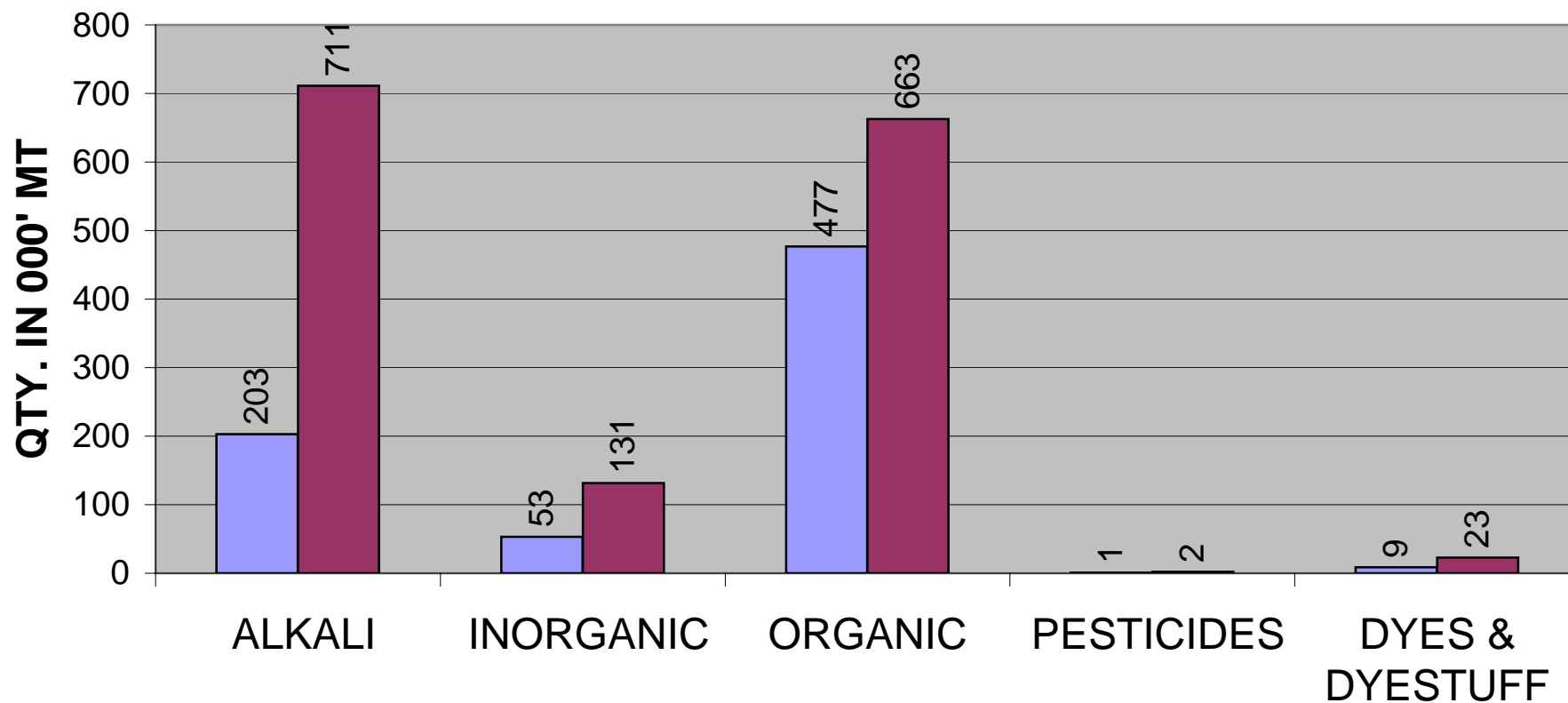
GROUP-WISE EXPORT & IMPORT OF CHEMICLAS

(Figures in Rs. Crore)

GROUP	ITC-HS Commodity Level Code	TRADE	2001-02	2002-03	2003-04	2004-05	2005-06
INORGANIC CHEMICALS*	2 digit - 28	EXPORT	1259	1946	1949	2871	3431
		IMPORT	5730	5579	5916	8130	10446
ORGANIC CHEMICALS	2 digit - 29	EXPORT	7624	10190	12975	16269	21504
		IMPORT	8795	10695	14363	18785	22776
DYENIG, TANNING AND COLOURING MATTER	2 digit - 32	EXPORT	2436	2943	3112	3111	3750
		IMPORT	1138	1344	1617	1878	2245
PESTICIDES	4 digit - 3808	EXPORT	1356	1487	1746	2096	2791
		IMPORT	362	287	501	712	754

* : INCLUDES COMPOUNDS OF PRECIOUS METALS, OR RARE-EARTH METALS, OF RADIO-ACTIVE ELEMENTS OR OF ISOTOPES AS CLASSIFIED BY DGCIS KOLKATA

IMPORT OF SELECTED CHEMICALS



GROUP

■ 2001-02 ■ 2005-06

PRODUCT-WISE IMPORT OF MAJOR CHEMICALS

[QTY. in MT & VALUE in Rs. Lakh]

PRODUCT	2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		
	QTY.	VALUE	QTY	VALUE	QTY	VALUE	QTY	VALUE	QTY	VALUE	
ALKALI CHEMICALS											
I											
1	SODA ASH	163618	11532	105511	6555	128366	7502	187502	11860	652757	11872
2	CAUSTIC SODA	39171	3366	113963	6293	73070	5113	63988	6546	58319	8935
3	LIQUID CHLORINE	7	24	56	90	10	20	33	29	2	8
	TOTAL	202796	14922	219530	12938	201446	12635	251523	18435	711078	20815
INORGANIC CHEMICALS											
II											
4	ALUMINIUM FLOURIDE	0	0	679	164	2627	656	1519	400	5134	1811
5	CALCIUM CARBIDE	27170	5411	66931	8971	45720	9091	44356	10292	45446	10489
6	CARBON BLACK	16350	5579	18715	6598	52042	13219	32013	11815	55338	10760
7	POTASSIUM CHLORATE	702	150	280	68	232	50	908	237	49	13
8	SODIUM CHLORATE	3503	701	5429	1040	8450	1620	8892	1702	10100	1906
9	TITANIUM DIOXIDE	5285	4017	6653	4691	7074	5720	11478	8783	15126	11802
10	RED PHOSPHORUS	66	49	173	123	181	146	255	323	172	216
	TOTAL	53076	15907	98860	21655	116326	30502	99421	33552	131365	36997

PRODUCT-WISE IMPORT OF MAJOR CHEMICALS

[QTY. in MT & VALUE in Rs. Lakh]

PRODUCT	2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		
	QTY.	VALUE	QTY	VALUE	QTY	VALUE	QTY	VALUE	QTY	VALUE	
ORGANIC CHEMICALS											
III											
11	ACETIC ACID	33887	5868	43203	7909	27030	5300	70396	17397	43119	12379
12	ACETIC ANHYDRIDE	125	52	0	0	14	4	297	128	409	183
13	ACETONE	25226	4162	22246	5554	26715	7309	30176	11992	63933	22828
14	PHENOL	36519	8495	24737	6364	75458	18215	71229	27068	96098	43944
15	METHANOL	363361	25680	290289	28103	425827	48841	347650	42857	401088	49516
16	FORMALDEHYDE	226	97	388	81	766	287	745	203	672	260
17	NITROBENZENE	138	58	1	0	1916	850	2171	1052	335	321
18	CITRIC ACID	7452	2609	4305	1456	7042	2085	9494	2846	15636	4610
19	MALEIC ANHYDRIDE	484	182	340	135	7993	2785	5756	2901	9445	5385
20	PENTA-ERITHRITOL	2085	959	1623	932	3741	1976	5884	2751	6030	3236
21	ANILINE	794	301	756	391	4573	1809	2557	1554	5774	3514
22	CHLORO METHANES	0	0	0	0	643	313	389	155	400	711
23	ISOBUTYLE	109	71	326	191	1172	639	176	115	9	40
24	ONCB	456	187	442	188	407	153	1285	543	1	1
25	PNCB	3649	723	3184	646	65	16	265	104	1389	613

PRODUCT-WISE IMPORT OF MAJOR CHEMICALS

[QTY. in MT & VALUE in Rs. Lakh]

PRODUCT	2001-2002		2002-2003		2003-2004		2004-2005		2005-2006	
	QTY.	VALUE	QTY	VALUE	QTY	VALUE	QTY	VALUE	QTY	VALUE
72 ZINC PHOSPHIDE	0	0	0	0	0	0	0	0	0	0
73 ALUMINIUM	2	11	20	6	14	52	0	0	45	23
74 METHYL BROMIDE	195	264	59	166	389	540	565	949	563	704
75 DICOFOL	0	0	0	0	0	0	0	0	0	0
TOTAL	993	1038	632	736	2042	2001	2067	2428	2160	2407
DYES AND DYESTUFFS										
V										
76 AZO DYES	278	774	466	1252	432	1308	351	1030	497	1246
77 ACID DIRECT DYES(OTHER THAN AZO)	146	299	69	159	122	458	207	336	356	499
78 BASIC DYES	181	295	107	234	312	607	381	730	828	1471
79 DISPERSE DYES	3038	4329	3810	4707	4471	5588	5009	7008	6297	8946
80 FAST COLOUR BASES	94	256	42	265	52	115	79	175	230	432
81 INGRAIN DYES	0	0	1	4	0	0	0	0	0	0
82 OIL SOLUBLE (SOLVENT DYES)	13	35	44	80	226	1075	244	682	392	776
83 OPTICAL WHITENING AGENTS	313	1685	277	1698	503	2429	379	1853	560	2876
84 ORGANIC PIGMENT COLOURS	1157	2464	997	2400	875	1632	728	1751	548	1441
85 PIGMENT EMULSION	877	3190	1192	4658	1338	5607	1930	7568	2660	10565

PRODUCT-WISE IMPORT OF MAJOR CHEMICALS

[QTY. in MT & VALUE in Rs. Lakh]

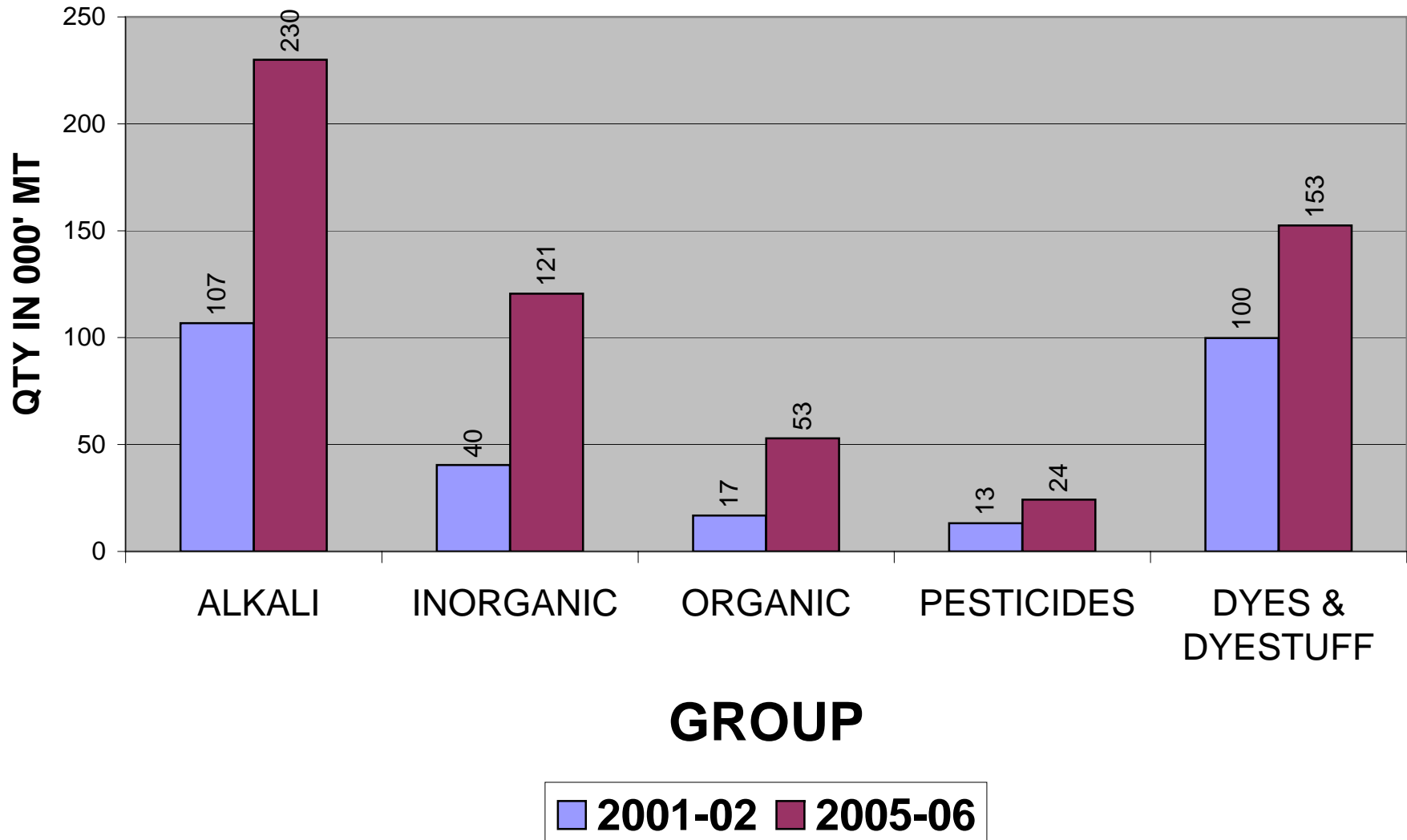
PRODUCT	2001-2002		2002-2003		2003-2004		2004-2005		2005-2006	
	QTY.	VALUE	QTY	VALUE	QTY	VALUE	QTY	VALUE	QTY	VALUE
86 REACTIVE DYES	517	2668	757	3600	741	3251	1105	4426	1934	7648
87 SULPHUR DYES (SULPHUR BLACK)	375	209	359	251	1161	604	1587	888	4496	2040
88 VAT DYES	1184	3465	1091	3142	1781	4020	2363	5117	2741	6888
89 SOLUBILISED VAT DYES	0	0	0	0	24	335	43	164	75	431
90 FOOD COLOURS	133	275	54	179	162	1588	395	2657	439	3009
91 NAPTHOLS	455	853	553	1209	294	552	473	762	672	1100
92 OTHER DYES	111	221	123	218	273	556	205	501	243	616
TOTAL	8872	21018	9942	24056	12767	29725	15479	35648	22968	49984
ALL MAJOR CHEMICALS	742613	103177	723882	112380	930186	172344	936583	213170	1530354	266469

PRODUCT-WISE EXPORT OF MAJOR CHEMICALS

[QTY. in MT & VALUE in Rs. Lakh]

PRODUCT	2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		
	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE	
ALKALI CHEMICALS											
I											
1	SODA ASH	87461	4609	167571	9734	183863	9652	319283	21485	197226	15544
2	CAUSTIC SODA	12990	1689	54213	4760	28469	2726	18515	1992	26958	3076
3	LIQUID CHLORINE	6276	747	17325	1317	4412	478	20746	1929	5723	496
	TOTAL	106727	7045	239109	15811	216744	12856	358544	25406	229907	19116
INORGANIC CHEMICALS											
II											
4	ALUMINIUM FLOURIDE	1223	390	1420	451	2694	857	4607	1499	4812	2060
5	CALCIUM CARBIDE	245	40	101	43	27	5	22	66	2	2
6	CARBON BLACK	36979	7746	25932	5603	54524	11451	133227	28656	96998	24456
7	POTASSIUM CHLORATE	26	10	192	79	117	33	374	105	1301	310
8	SODIUM CHLORATE	26	30	47	15	752	102	492	92	697	81
9	TITANIUM DIOXIDE	1707	496	5903	3055	5668	4008	13872	9034	16392	11526
10	RED PHOSPHORUS	233	313	232	315	229	302	266	407	390	646
	TOTAL	40439	9025	33827	9561	64011	16758	152860	39859	120592	39081

EXPORT OF SELECTED CHEMICALS



PRODUCT-WISE EXPORT OF MAJOR CHEMICALS

[QTY. in MT & VALUE in Rs. Lakh]

PRODUCT	2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		
	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE	
ORGANIC CHEMICALS											
III											
11	ACETIC ACID	8329	2466	10994	3096	12102	3427	13796	5859	13074	5218
12	ACETIC ANHYDRIDE	182	16	8	8	197	85	153	63	295	142
13	ACETONE	53	301	54	211	362	230	199	821	112	421
14	PHENOL	678	349	314	236	1413	1074	7503	5405	2168	1721
15	METHANOL	301	132	128	60	293	298	345	535	462	1376
16	FORMALDEHYDE	1456	263	1869	304	2691	649	1522	434	2774	404
17	NITROBENZENE	1004	429	2	1	113	69	122	83	443	336
18	CITRIC ACID	50	24	789	292	2825	934	6624	1858	1968	746
19	MALEIC ANHYDRIDE	802	254	1021	315	400	125	2033	1585	1148	696
20	PENTA-ERITHRITOL	864	729	939	536	1220	799	2221	1509	1733	1156
21	ANILINE	221	197	459	522	922	750	2192	1750	2909	2056
22	CHLORO METHANES	0	0	0	0	2550	1943	2665	2409	539	391
23	ISOBUTYLE	188	111	515	289	540	291	588	374	988	670
24	ONCB	1737	709	4185	1658	2403	930	967	391	1294	770
25	PNCB	259	121	587	213	992	318	3618	1332	2630	1426

PRODUCT-WISE EXPORT OF MAJOR CHEMICALS

[QTY. in MT & VALUE in Rs. Lakh]

	PRODUCT	2001-2002		2002-2003		2003-2004		2004-2005		2005-2006	
		QTY.	VALUE	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE
72	ZINC PHOSPHIDE	0	0	0	0	0	0	0	0	0	0
73	ALUMINIUM	1094	3405	1000	3345	824	2263	1410	4322	1343	3947
74	METHYL BROMIDE	0	0	3	8	2389	8432	1617	4606	518	2007
75	DICOFOL	0	0	0	0	0	0	0	0	0	0
	TOTAL	13250	35366	16965	45131	20007	52654	21722	51797	24227	66881
V	DYES AND DYESTUFFS										
76	AZO DYES	7692	12751	12152	19838	17619	27822	17370	26333	21016	33416
77	ACID DIRECT DYES(OTHER THAN AZO)	10269	16843	9988	16729	5117	7714	4049	6766	5871	9397
78	BASIC DYES	2629	3923	2578	3688	2896	4783	4761	8797	5355	9886
79	DISPERSE DYES	2301	3726	3572	6015	4589	7988	2836	5805	2795	6190
80	FAST COLOUR BASES	1415	2773	1627	3030	612	1237	924	1974	1462	3080
81	INGRAIN DYES	27	102	17	108	0	0	0	0	0	0
82	OIL SOLUBLE (SOLVENT DYES)	2185	5106	2738	6137	2688	5601	2986	6439	2619	6750
83	OPTICAL WHITENING AGENTS	4854	6709	4757	6126	6224	7368	6940	7504	10702	12928
84	ORGANIC PIGMENT COLOURS	1150	1786	871	1316	918	1046	844	1145	933	1948
85	PIGMENT EMULSION	21937	56880	24677	60491	28335	64568	27698	64017	36291	84349

PRODUCT-WISE EXPORT OF MAJOR CHEMICALS

[QTY. in MT & VALUE in Rs. Lakh]

	PRODUCT	2001-2002		2002-2003		2003-2004		2004-2005		2005-2006	
		QTY.	VALUE	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE
86	REACTIVE DYES	34697	51486	45144	65786	45821	62448	39773	55846	46141	64210
87	SULPHUR DYES (SULPHUR BLACK)	1398	882	1427	976	2100	3836	1650	3588	1030	2694
88	VAT DYES	1382	13604	1408	13376	3106	23840	2279	17080	6215	14836
89	SOLUBILISED VAT DYES	16	53	0	0	107	477	93	730	57	353
90	FOOD COLOURS	4096	10562	4700	12925	4844	12451	4128	10480	5725	13889
91	NAPTHOLS	1729	3790	3336	7185	3455	7194	3299	6940	1476	3091
92	OTHER DYES	2022	3321	2910	5014	2367	3504	2553	3898	4823	8055
	TOTAL	99799	194297	121902	228740	130798	241877	122183	227342	152511	275072
	ALL MAJOR CHEMICALS	277044	252435	434370	307611	477789	359055	718193	402193	580091	471007

A : STATEWISE PRODUCTION OF PETROCHEMICALS

(Figures in 000' Tons)

STATE	2002-03	2003-04	2004-05	2005-06	2006-07
Andhra Pradesh	191.75	206.21	182.35	200.82	174.66
Assam	8.69	35.49	63.60	27.32	0.00
Chattisgarh	16.30	15.04	11.31	11.76	13.89
D&NH	122.23	127.60	118.17	128.99	144.08
Gujarat	10012.92	10412.11	10778.32	10887.66	13048.36
Haryana	12.45	12.85	17.04	6.84	357.00
Himachal Pradesh	4.88	4.64	6.65	5.90	6.32
Karnataka	12.14	9.06	10.99	11.56	11.40
Kerala	153.12	149.29	163.53	128.45	134.05
Madhya Pradesh	31.83	27.16	31.84	21.65	26.54
Maharashtra	2844.53	2795.89	3102.66	3312.86	3129.84
Orissa	40.82	33.78	31.97	32.65	23.76
Punjab	112.07	117.52	141.53	146.72	136.06
Rajasthan	58.02	55.06	44.46	87.71	104.53
Tamil Nadu	534.48	540.27	504.62	554.70	535.21
Uttar Pradesh	798.52	731.69	808.26	817.87	876.26
Uttranchal	67.96	76.76	71.84	119.11	123.92
West Bengal	1683.71	2136.57	2272.45	2222.59	2246.56
Country Total	16706.41	17486.98	18361.59	18725.15	21092.42

B : % age Share of States in Production of Petrochemicals

STATE	2002-03	2003-04	2004-05	2005-06	2006-07
Gujarat	59.93	59.54	58.70	58.14	61.86
Maharashtra	17.03	15.99	16.90	17.69	14.84
West Bengal	10.08	12.22	12.38	11.87	10.65
Other states	12.96	12.25	12.03	12.29	12.65
Total	100.00	100.00	100.00	100.00	100.00

Other states include Andhra Pradesh, Assam, Chattisgarh, D&NH, Haryana, HP, Karnataka, Kerala, MP, Orissa, Punjab, Rajasthan, TN, UP and Uttaranchal

GROUP / PRODUCT-WISE TRENDS IN INSTALLED CAPACITIES OF PETROCHEMICALS

(2001-2002 TO 2006-07)

(Figures in Tons)

GROUP / PRODUCT	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
BASIC PETROCHEMICALS						
I : SYNTHETIC FIBRES						
ACRYLIC FIBRE (AF)	137500	137500	137500	145000	141900	141900
NYLON FILAMENT YARN (NFY) (i)	28040	28040	28040	28040	28040	36040
NYLON INDL. YARN /TYRE CORD (NIY/TC) (i)	49900	50200	50200	50200	63500	63500
POLYESTER FILAMENT YARN (PFY) (ii)	1174950	1211800	1297600	1379860	1441160	1877360
POLYPROPYLENE FILAMENT YARN (PPFY)	22480	22480	18280	18280	18280	14030
POLYESTER STAPLE FIBRE (PSF)	605200	610200	618800	664720	664720	1057400
POLYESTER STAPLE FIBREFIL (PSFF)	46200	46200	46200	47400	47400	47400
POLYPROPYLENE STAPLE FIBRE (PPSF)	6800	6800	7500	7500	7500	8200
GROUP TOTAL	2071070	2113220	2204120	2341000	2412500	3245830
II : POLYMERS						
LOW DENSITY POLYETHYLENE (LDPE)	200000	200000	200000	200000	200000	200000
HIGH DENSITY POLYETHYLENE (HDPE)/LLDPE (iii)	1490000	1520000	1580000	1630000	1630000	1630000
POLYPROPYLENE(PP)	1351000	1365000	1420000	1560000	1560000	1860000
POLYSTYRENE (PS)	394000	414000	414000	394000	462000	462000
EXPANDABLE POLYSTYRENE (EXPS)	37300	37300	37300	42000	41500	49500
POLY VINYL CHLORIDE PVC)	779500	779500	779500	788000	816250	985000
GROUP TOTAL	4251800	4315800	4430800	4614000	4709750	5186500

(i) : Independent capacity of units producing only NFY and NIY

(ii) : Includes capacity of all the units producing NFY, NIY, PPFY and PFY under broadbanding as Synthetic Filament Yarn .

(iii) : Swing Capacity to produce both LLDPE and HDPE

GROUP / PRODUCT-WISE TRENDS IN INSTALLED CAPACITIES OF PETROCHEMICALS

(2001-2002 TO 2006-07)

(Figures in Tons)

GROUP / PRODUCT	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
III : ELASTOMERS (SYNTHETIC RUBBERS)						
STYRENE BUTADIENE RUBBER (SBR)	61780	61780	61780	61780	61780	61780
POLY BUTADIENE RUBBER (PBR)	50000	50000	50000	50000	50000	50000
NITRILE BUTADIENE RUBBER (NBR)	9250	9250	12000	12000	12800	12800
ETHYL PROPYLENE DIMER (EPDM)	10000	10000	10000	10000	10000	10000
ETHYL VINYL ACETATE (EVA)	13500	13500	13500	13000	13000	13000
GROUP TOTAL	144530	144530	147280	146780	147580	147580
IV : SYNTHETIC DETERGENT INTERMEDIATES						
LINEAR ALKYL BENZENE (LAB)	311500	313500	313500	448500	448500	448500
ETHYLENE OXIDE (EO)	97000	107000	112000	117000	129000	129000
GROUP TOTAL	408500	420500	425500	565500	577500	577500
V : PERFORMANCE PLASTICS						
ABS RESINS	47200	60200	60200	79200	86000	86000
STYRENE ACRYLONITRILE (SAN)	26000	40000	40000	36000	36000	60000
POLYMETHYL METHACRYLATE (PMMA)	3500	3500	3500	3500	3500	3500
NYLON-6/6,6	11080	11080	11080	11080	11080	13720
GROUP TOTAL	87780	114780	114780	129780	136580	163220
TOTAL MAJOR PETROCHEMICALS (I TO V)	6963680	7108830	7322480	7797060	7983910	9320630

GROUP / PRODUCT-WISE TRENDS IN INSTALLED CAPACITIES OF PETROCHEMICALS

(2001-2002 TO 2006-07)

(Figures in Tons)

GROUP / PRODUCT	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
INTERMEDIATES						
FIBRE INTERMEDIATES						
ACRYLONITRILE (ACN)	30000	30000	30000	30000	30000	30000
CAPROLACTUM	120000	120000	120000	120000	120000	120000
DIMETHYL TEREPHTHALATE (DMT)	300000	300000	300000	300000	300000	300000
PURIFIED TEREPHTHALIC ACID (PTA)	1325000	1325000	1445000	1745000	1745000	2998000
MONO ETHYLENE GLYCOL (MEG)	579900	589900	614900	618300	664800	733170
GROUP TOTAL	2354900	2364900	2509900	2813300	2859800	4181170
OLEFINS						
ETHYLENE	2447000	2447000	2501000	2513000	2513000	2613000
PROPYLENE	1516800	1540800	1540800	1548800	1580800	1580800
BUTADIENE	126700	139200	139200	141000	281000	281000
GROUP TOTAL	4090500	4127000	4181000	4202800	4374800	4474800
AROMATICS						
BENZENE	685775	685810	685810	740810	744000	767630
TOLUENE	280340	280400	280400	280400	280900	280940
ORTHOXYLENE	203900	203900	203900	228900	228900	228900
MIXED XYLENE	165000	165000	165000	165000	165000	165000
PARAXYLENE (PX)	1723600	1723600	1723600	1723600	1723600	2085600
GROUP TOTAL	3058615	3058710	3058710	3138710	3142400	3528070

GROUP / PRODUCT-WISE TRENDS IN INSTALLED CAPACITIES OF PETROCHEMICALS

(2001-2002 TO 2006-07)

(Figures in Tons)

GROUP / PRODUCT	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
OTHER PETRO-BASED CHEMICALS						
BUTANOL	19690	19690	19690	13690	13690	13690
C-4 RAFINATE	225000	225000	225000	225000	225000	225000
DIACETONE ALCOHOL	7200	7200	7200	9000	9000	9000
DIETHYLENE GLYCOL (DEG)	43875	43875	47000	47000	51600	51600
ETHYLENE DICHLORIDE (EDC)	140000	140000	140000	140000	140000	158000
2-ETHYL-HEXANOL	46000	46000	46000	39000	39000	39000
EPICHLOROHYDRINE	10000	10000	10000	10000	10000	10000
ISOPROPANOL	24000	24000	24000	25000	25000	25000
METHYL ISOBUTYL KETONE (MIBK)	3700	3700	3700	6600	6600	6600
METHYL METHACRYLATE (MMA)	4375	4375	4375	4375	4400	4400
OXO-ALCOHOLS	25000	25000	25000	25000	25000	25000
PROPYLENE OXIDE (PO)	24000	24000	24000	24000	27000	27000
PROPYLENE GLYCOL(PG)	13250	13250	13250	13250	14800	14800
PHTHALIC ANHYDRIDE (PAN)	268800	270200	270200	271200	271200	271200
STYRENE	25500	25500	25500	25500	25500	25500
TOLUOLE	0	0	0	180000	180000	180000
VINYL ACETATE MONOMER (VAM)	50000	59500	42500	45000	45000	45000
VINYL CHLORIDE MONOMER (VCM)	257300	257300	257300	227300	227300	239300
ACRYLATES	7500	7500	7500	7500	7500	7500
PVA RESIN	0	0	0	20100	20100	20100
ULTRA HMW POLYETHYLENE	0	0	0	2500	2500	2500

INSTALLED CAPACITY AND PRODUCTION OF MAJOR PETROCHEMICALS

(Figures in 000' Tons)

Major Groups	Installed Capacity during			Production						Growth (%) in			
	2001-02	2005-06	2006-07	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	Capacity		Production	
										col. 4/3	CARG col.4/2	col. 10/9	CARG col.10/5
1	2	3	4	5	6	7	8	9	10	11	12	13	14
I : SYNTHETIC FIBRES / YARN	2071	2413	3246	1669	1755	1868	1875	1906	2244	34.5	9.4	17.7	6.1
II : POLYMERS	4252	4710	5187	3974	4175	4499	4776	4768	5183	10.1	4.1	8.7	5.5
III : ELASTOMERS(SYNTHETIC RUBBERS)	145	148	148	79	82	87	97	110	101	0.0	0.4	-8.0	5.0
IV : SYNTH. DETERGENT INTERMED.	409	578	578	425	447	453	488	555	556	0.0	7.2	0.2	5.5
V : PERFORMANCE PLASTICS	88	137	163	90	95	99	113	127	133	19.5	13.2	5.0	8.2
TOTAL MAJOR PETROCHEMICALS													
(I+II+III+IV+V)	6964	7984	9321	6237	6553	7007	7349	7467	8218	16.7	6.0	10.1	5.7

PRODUCT-WISE PRODUCTION OF MAJOR PETROCHEMICALS

(Figures in Tons)

Products	Installed Capacity during			Production						Growth (%)				Cap. Utilis.(%)
	2001-02	2005-06	2006-07	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	Inst. Cap.		Prodn.		in 2006-07
	1	2	3	4	5	6	7	8	9	10	col. 4/3	CARG col. 4/2	col.10/9	CARG col.10/5
A : BASIC PETROCHEMICALS														
I : SYNTHETIC FIBRES / YARN														
1. Polyester Filament Yarn (PFY) (i)	1174950	1441160	1877360	905097	946392	1003134	970250	1014992	1187962	30.3	9.8	17.0	5.6	(i)
2. Nylon Filament Yarn (NFY) (ii)	28040	28040	36040	27008	29771	30957	36767	39563	32433	28.5	5.1	-18.0	3.7	(ii)
3. Nylon Industrial Yarn (NIY) (ii)	49900	63500	63500	51382	51404	55870	48030	55404	71624	0.0	4.9	29.3	6.9	(ii)
4. Polypropylene Filament Yarn (PPFY)(ii)	22480	18280	14030	16032	15131	15336	11276	8802	9695	-23.2	-9.0	10.1	-9.6	(ii)
Sub Total Yarn (1+2+3+4)	1275370	1550980	1990930	999519	1042698	1105297	1066323	1118761	1301714	28.4	9.3	16.4	5.4	65.4
5. Acrylic Fibre (Inc. Dry Spun) (AF)	137500	141900	141900	95014	105146	117145	127583	113751	107296	0.0	0.6	-5.7	2.5	75.6
6. Polyester Staple Fibre (PSF)	605200	664720	1057400	546291	574689	603699	638727	623138	784617	59.1	11.8	25.9	7.5	74.2
7. Polypropylene Staple Fibre (PPSF)	6800	7500	8200	2417	2517	2770	2967	3111	3551	9.3	3.8	14.1	8.0	43.3
8. Polyester Staple Fibrefil (PSFF)	46200	47400	47400	25312	29506	38835	39820	47432	47078	0.0	0.5	-0.7	13.2	99.3
Total Synth. Fibre / Yarn	2071070	2412500	3245830	1668553	1754556	1867746	1875420	1906193	2244256	34.5	9.4	17.7	6.1	69.1
II : POLYMERS														
1. Linear Low Density Polyethylene (LLDPE)(iii)	950000	1010000	1010000	452645	500148	606249	649986	688703	771520	0.0	1.2	12.0	11.3	(iii)
2. High Density Polyethylene (HDPE)Dedicated	540000	620000	620000	886825	977751	958074	1035091	1034746	958389	0.0	2.8	-7.4	1.6	154.6
Sub Total (1+2)	1490000	1630000	1630000	1339470	1477899	1564323	1685077	1723449	1729909	0.0	1.8	0.4	5.2	106.1
3. Low Density Polyethylene (LDPE)	200000	200000	200000	186528	191693	183782	204774	200586	194882	0.0	0.0	-2.8	0.9	97.4
4. Polystyrene (PS)	394000	462000	462000	223175	224404	274024	275199	310527	284881	0.0	3.2	-8.3	5.0	61.7
5. Polypropylene (PP)	1351000	1560000	1860000	1370170	1430242	1567219	1690213	1540921	2000942	19.2	6.6	29.9	7.9	107.6
6. Poly Vinyl Chloride (PVC)	779500	816250	985000	829623	821592	878392	884774	953371	926431	20.7	4.8	-2.8	2.2	94.1
7. Expandable Polystyrene (EX-PS)	37300	41500	49500	25204	29255	31427	35708	39231	45820	19.3	5.8	16.8	12.7	92.6
Total Polymers	4251800	4709750	5186500	3974170	4175085	4499167	4775745	4768085	5182865	10.1	4.1	8.7	5.5	99.9

(Figures in Tons)

Products	Installed Capacity during			Production						Growth (%)				Cap. Utilis.(%)
	2001-02	2005-06	2006-07	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	Inst. Cap.		Prodn.		in 2006-07
	2	3	4	5	6	7	8	9	10	col. 4/3	CARG col. 4/2	col.10/9	CARG col.10/5	col. 10/4
III : ELASTOMERS														
1. Styrene Butadiene Rubber (SBR)	61780	61780	61780	17316	16402	18880	16059	15452	13118	0.0	0.0	-15.1	-5.4	21.2
2. Poly Butadiene Rubber (PBR)	50000	50000	50000	42525	53583	55752	64140	67343	71693	0.0	0.0	6.5	11.0	143.4
3. Nitrile Butadiene Rubber (NBR)	9250	12800	12800	6487	6484	7309	9026	9139	10076	0.0	6.7	10.3	9.2	78.7
4. Ethyl Propylene Dimers (EPDM)	10000	10000	10000	3870	5037	5453	3528	4130	3543	0.0	0.0	-14.2	-1.8	35.4
5. Ethyl Vinyl Acetate (EVA)	13500	13000	13000	9174	0	0	4022	14168	2996	0.0	-0.8	-78.9	-20.1	23.0
Total Elastomers	144530	147580	147580	79372	81506	87394	96775	110232	101426	0.0	0.4	-8.0	5.0	68.7
IV : SYNTHETIC DETERGENT INTERMEDIATES														
1. Linear Alkyl Benzene (LAB)	311500	448500	448500	356038	375233	381957	408631	467968	459867	0.0	7.6	-1.7	5.3	102.5
2. Ethylene Oxide (EO)	97000	129000	129000	68722	72193	71422	79264	87506	96444	0.0	5.9	10.2	7.0	74.8
Total Synth. Detergent Intermediates	408500	577500	577500	424760	447426	453379	487895	555474	556311	0.0	7.2	0.2	5.5	96.3
V : PERFORMANCE PLASTICS														
1. ABS Resin	47200	86000	86000	49032	49487	48410	62203	75847	74228	0.0	12.7	-2.1	8.6	86.3
2. Nylon-6 & Nylon 66	11080	11080	13720	8333	9013	11171	12737	12820	14681	23.8	4.4	14.5	12.0	107.0
3. Polymethyl Methacrylate (PMMA)	3500	3500	3500	2369	2584	2657	2210	2466	2709	0.0	0.0	9.9	2.7	77.4
4. Styrene Acrylonitrile (SAN)	26000	36000	60000	30149	33572	37019	35684	35548	41434	66.7	18.2	16.6	6.6	69.1
Total Performance Plastics	87780	136580	163220	89883	94656	99257	112834	126681	133052	19.5	13.2	5.0	8.2	81.5
TOTAL MAJOR PETROCHEMICALS														
(I+II+III+IV+V)	6963680	7983910	9320630	6236738	6553229	7006943	7348669	7466665	8217910	16.7	6.0	10.1	5.7	88.2

(Figures in Tons)

Products	Installed Capacity during			Production						Growth (%)				Cap. Utilis.(%)
	2001-02	2005-06	2006-07	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	Inst. Cap.		Prodn.		in 2006-07
	2	3	4	5	6	7	8	9	10	col. 4/3	CARG col. 4/2	col.10/9	CARG col.10/5	col. 10/4
B : INTERMEDIATES														
I : FIBRE INTERMEDIATES														
1. Acrylonitrile (ACN)	30000	30000	30000	20002	33091	36400	38760	33239	37021	0.0	0.0	11.4	13.1	123.4
2. Caprolactum	120000	120000	120000	108412	100390	110293	122072	116784	120996	0.0	0.0	3.6	2.2	100.8
3. Dimethyl Terephthalate (DMT)	300000	300000	300000	180914	199077	216770	238635	197413	27532	0.0	0.0	-86.1	-31.4	9.2
4. Mono Ethylene Glycol (MEG)	579900	664800	733170	575407	611233	651918	713871	881366	872473	10.3	4.8	-1.0	8.7	119.0
5. Purified Terephthalic Acid (PTA)	1325000	1745000	2998000	1532596	1704682	1675717	1738027	1734237	2379241	71.8	17.7	37.2	9.2	79.4
Total Fibre Intermediates	2354900	2859800	4181170	2417331	2648473	2691098	2851365	2963039	3437263	46.2	12.2	16.0	7.3	82.2
II : BUILDING BLOCKS														
A : OLEFINS														
1. Ethylene	2447000	2513000	2613000	2102743	2304628	2421245	2644587	2719182	2683371	4.0	1.3	-1.3	5.0	102.7
2. Propylene	1516800	1580800	1580800	1534680	1588534	1746296	1891899	1744624	2089301	0.0	0.8	19.8	6.4	132.2
3. Butadiene	126700	281000	281000	59385	68511	114128	131399	206937	222659	0.0	17.3	7.6	30.3	79.2
Total Olefins	4090500	4374800	4474800	3696808	3961673	4281669	4667885	4670743	4995331	2.3	1.8	6.9	6.2	111.6
B : AROMATICS														
1. Benzene	685775	744000	767630	510920	594951	608281	640089	685818	885521	3.2	2.3	29.1	11.6	115.4
2. Toluene	280340	280900	280940	149561	162861	165533	177232	158894	147181	0.0	0.0	-7.4	-0.3	52.4
3. Mixed Xylene	165000	165000	165000	54305	52325	55589	63148	55726	57692	0.0	0.0	3.5	1.2	35.0
4. Ortho-xylene	203900	228900	228900	157409	191739	206580	145566	242409	431218	0.0	2.3	77.9	22.3	188.4
5. Paraxylene	1723600	1723600	2085600	1370354	1424382	1388979	1425275	1393702	1925497	21.0	3.9	38.2	7.0	92.3
Total Aromatics	3058615	3142400	3528070	2242549	2426258	2424962	2451310	2536549	3447109	12.3	2.9	35.9	9.0	97.7

(Figures in Tons)

Products	Installed Capacity during			Production						Growth (%)				Cap. Utilis.(%)
	2001-02	2005-06	2006-07	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	Inst. Cap.		Prodn.		in 2006-07
	2	3	4	5	6	7	8	9	10	col. 4/3	CARG col. 4/2	col.10/9	CARG col.10/5	col. 10/4
C : OTHER PETRO-BASED PRODUCTS														
1. Butanol	19690	13690	13690	15470	15697	12251	12518	14762	14435	0.0	-7.0	-2.2	-1.4	105.4
2. C4-Raffinate	225000	225000	225000	169783	171792	163584	121020	104570	76122	0.0	0.0	-27.2	-14.8	33.8
3. Di-Ethylene Glycol	43875	51600	51600	37601	42244	45854	48289	58403	60048	0.0	3.3	2.8	9.8	116.4
4. Diacetone Alcohol	7200	9000	9000	7435	7292	8669	8744	8944	8963	0.0	4.6	0.2	3.8	99.6
5. Ethylene Dichloride (EDC)	140000	140000	158000	268252	304053	265256	253448	263383	220034	12.9	2.4	-16.5	-3.9	139.3
6. 2-Ethyl Hexanol	46000	39000	39000	20468	21695	25649	26667	23803	24295	0.0	-3.2	2.1	3.5	62.3
7. Epichlorohydrine	10000	10000	10000	3867	8194	9416	10623	11135	9752	0.0	0.0	-12.4	20.3	97.5
8. Isopropanol	24000	25000	25000	21525	0	0	12769	27587	5430	0.0	0.8	-80.3	-24.1	21.7
9. Methyl Methacrylate (MMA)	4375	4400	4400	2665	3586	4099	4739	4044	4449	0.0	0.1	10.0	10.8	101.1
10. Methyl Isobutyl Ketone(MIBK)	3700	6600	6600	1818	0	0	301	3056	716	0.0	12.3	-76.6	-17.0	10.8
11. Phthalic Anhydride (PAN)	268800	271200	271200	171419	196699	181249	183030	191619	222974	0.0	0.2	16.4	5.4	82.2
12. Propylene Oxide (PO)	24000	27000	27000	19476	21280	24877	25169	27191	27938	0.0	2.4	2.7	7.5	103.5
13. Propylene Glycol (PG)	13250	14800	14800	10386	11775	13442	14126	15950	16426	0.0	2.2	3.0	9.6	111.0
14. Vinyl Chloride Monomer(VCM)	257300	227300	239300	291622	285982	302213	292876	307748	279619	5.3	-1.4	-9.1	-0.8	116.8
15. Vinyl Acetate Monomer (VAM)	50000	45000	45000	28141	26492	25744	28677	25960	23604	0.0	-2.1	-9.1	-3.5	52.5

(i) : Includes capacity of all the units producing PFY, NFY, NIY and PPFY and under broadbanding as Synthetic Filament Yarn

(ii) : Independent capacity of units producing only NFY, NIY and PPFY.

As the capacities of these products are also included in Synthetic Filament yarn, capacity utilisation can not be worked out.

(iii) : Combined capacity to produce both LLDPE and HDPE and hence capacity utilisation can not be worked out. However production is independent.

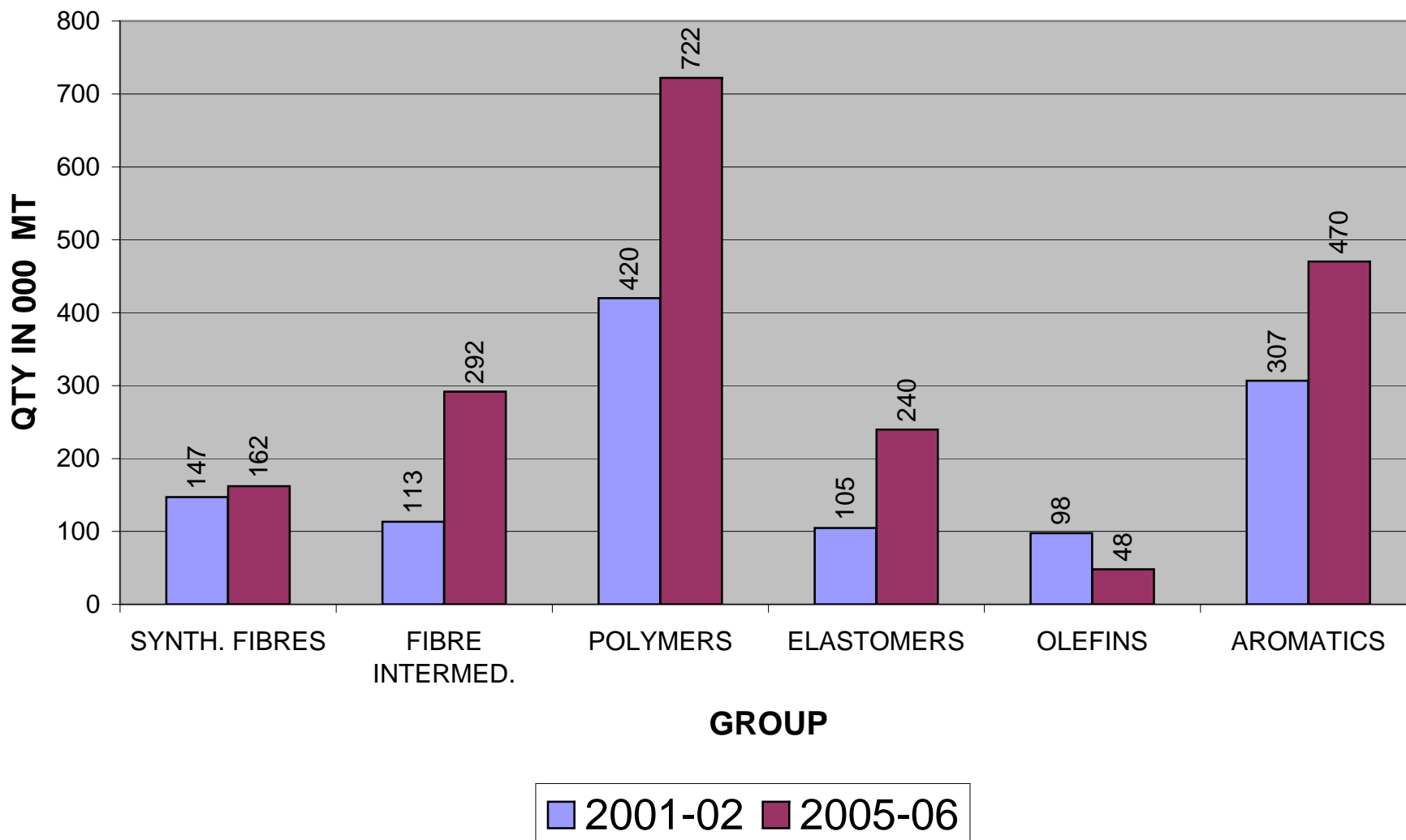
GROUP-WISE IMPORT & EXPORT OF MAJOR PETROCHEMICALS

Qty. in Tons & Value in Rs. Lakhs

GROUP	UNIT	IMPORTS						EXPORTS					
		2001-02	2002-03	2003-04	2004-05	2005-06	Growth (%)	2001-02	2002-03	2003-04	2004-05	2005-06	CARG (%)
1	2	3	4	5	6	7	8=col.7/col.3	9	10	11	12	13	14=col.13/col.9
SYNTHETIC FIBRES	QTY	147121	189342	154693	192538	161973	2.43	98369	143872	140775	177799	174884	15.47
	VALUE	93303	116284	101630	133101	128879		60068	89004	87844	124688	128186	
FIBRE INTERMEDIATES	QTY	113419	100898	222268	196886	291615	26.63	148899	226546	145906	212456	172219	3.70
	VALUE	36154	37036	76485	90085	131210		36366	60667	40614	87903	79483	
POLYMERS	QTY	419859	381318	450333	416401	721841	14.51	567914	760724	842568	1015088	694763	5.17
	VALUE	97986	124808	151961	188241	332046		139431	209074	265814	444641	331849	
ELASTOMERS	QTY	104665	122801	178591	210154	239772	23.03	3180	8341	8467	6533	21585	61.41
	VALUE	57666	67159	99768	140911	173073		1564	2864	3599	3797	12346	
SYNTH. DETERGENT INTERMED.@	QTY	119	219	2938	10135	5562	161.47	32351	58106	41981	66876	107626	35.05
	VALUE	166	174	1425	4497	2637		13610	20241	13295	27367	51504	
PERFORMANCE PLASTICS	QTY	16715	19960	31288	30438	36682	21.71	944	814	3028	2853	4553	48.19
	VALUE	21982	18059	24527	31958	42053		578	602	1630	2256	3974	
OLEFINS	QTY	97674	19747	38661	10395	47998	-16.27	3	15	132	48083	86534	1203.22
	VALUE	16538	4358	19950	5022	13668		18	8	159	22113	41516	
AROMATICS	QTY	306507	256487	402625	426111	470179	11.29	46178	164047	594204	565010	806261	104.41
	VALUE	63245	64078	117611	167942	186499		8104	41568	153274	216052	327265	

@ : The import of LAB includes Sodium Dodecyl Benzene Supphonate & others

IMPORT OF SELECTED PETROCHEMICALS



IMPORT OF PETROCHEMICALS

[Qty in Tons & Value in Rs. Lakh]

PRODUCT	2001-2002		2002-2003		2003-2004		2004-2005		2005-2006	
	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE
1	2	3	4	5	6	7	8	9	10	11
SYNTHETIC FIBRES										
ACRYLIC FIBRE	12544	8207	22200	14129	14325	9917	14506	12060	12009	10477
NYLON FILAMENT YARN	5593	5708	4762	5455	9085	9048	15961	16184	12348	16853
NYLON INDUSTRIAL YARN/TYRE CORD	13337	13914	13691	14034	15410	16255	19706	25179	16570	23673
POLYESTER FILAMENT YARN	87932	52712	115101	68125	98552	53439	120465	64374	99420	63124
POLYESTER STAPLE FIBRE	26947	11023	25812	11063	12057	6806	15372	8978	15808	9704
POLYPROPYLENE FILAMENT YARN	705	1685	7610	3380	5140	6049	5895	5776	5654	4873
POLYPROPYLENE STAPLE FIBRE	64	54	166	97	124	116	635	550	164	174
TOTAL	147121	93303	189342	116284	154693	101630	192538	133101	161973	128879
FIBRE INTERMEDIATES										
ACRYLONITRILE	106562	32941	70293	28117	97919	35550	56122	28056	70053	40752
CAPROLACTUM	4907	2605	3133	1521	6211	3751	5018	4856	13349	12687
DIMETHYL TEREPHTHALATE	0	0	3264	786	12396	3063	3036	1095	6480	2283
MONO EHYLENE GLYCOL	1373	394	23196	6339	82565	27634	108209	47112	94488	35827
PURIFIED TEREPHTHALIC ACID	576	213	1012	273	23177	6487	24501	8965	107245	39662
TOTAL	113419	36154	100898	37036	222268	76485	196886	90085	291615	131210

IMPORT OF PETROCHEMICALS

[Qty in Tons & Value in Rs. Lakh]

PRODUCT	2001-2002		2002-2003		2003-2004		2004-2005		2005-2006	
	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE
1	2	3	4	5	6	7	8	9	10	11
POLYMERS										
LOW DENSITY POLYETHYLENE	38240	11321	27924	9480	27721	10376	28812	14932	45868	25850
HIGH DENSITY POLYTHYLENE	199924	28261	115463	36144	109287	35812	89952	40279	138724	69121
POLYESTYRENE	7823	3921	9687	5131	12816	6410	9723	6867	14542	10281
POLYPROPYLENE (INC. CO-POLYMER)	87289	27059	104380	34716	98080	34028	96266	45279	128275	64398
EXPANDABLE POLYESTYRENE	779	260	942	422	1586	730	3168	1814	3571	2157
POLY VINYL CHLORIDE	31803	9102	57850	17520	106581	31541	91717	33185	266592	97503
LINEAR LOW DENSITY POLYTHYLENE	54001	18062	65073	21395	94262	33064	96763	45884	124268	62736
TOTAL	419859	97986	381318	124808	450333	151961	416401	188241	721841	332046
ELASTOMERS										
STYRENE BUTADIENE RUBBER	35501	14955	49141	20655	62576	29175	75594	46752	69864	46316
POLY BUTADIENE RUBBER	24512	11289	22487	10055	17966	9431	15476	10077	17487	14514
ETHYL PROPYLENE DIMERS	2578	1961	1638	1267	7215	4657	10088	7412	10647	10235
ETHYL VINYL ACETATE	9829	4097	13487	5584	29734	11744	47341	24306	89531	41319
NITRILE BUTADIENE RUBBER	4858	3379	6517	4570	8518	6301	12239	9405	11924	10827
BUTYL RUBBER	27387	21984	29531	25029	52582	38460	49417	42960	40319	49863
TOTAL	104665	57666	122801	67159	178591	99768	210154	140911	239772	173073
INTERMEDIATES										
LINEAR ALKYL BENZENE	103	80	216	145	2937	1417	10121	4418	5522	2561
ETHYLENE OXIDE	16	86	3	28	1	8	14	79	40	76
TOTAL	119	166	219	174	2938	1425	10135	4497	5562	2637

IMPORT OF PETROCHEMICALS

[Qty in Tons & Value in Rs. Lakh]

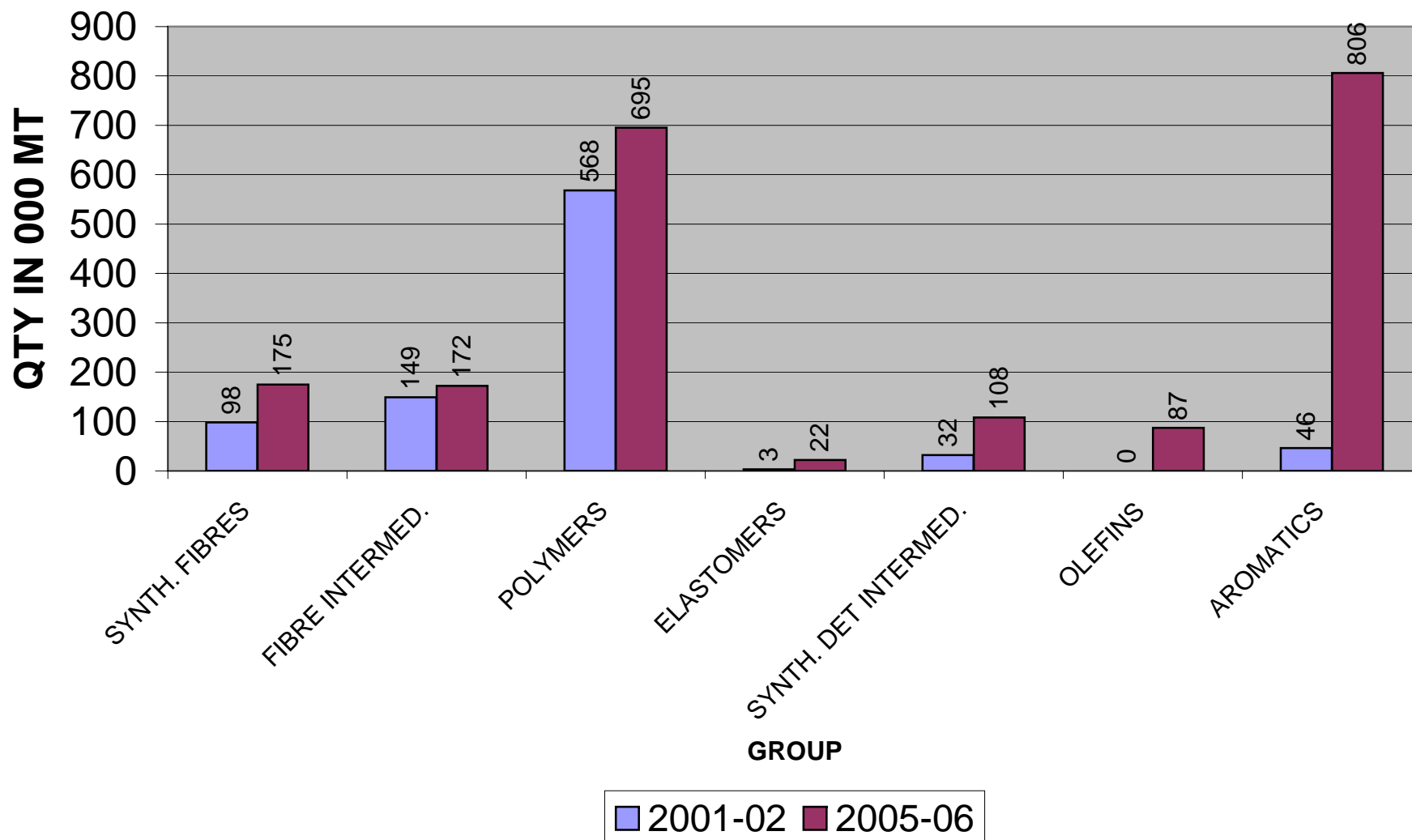
PRODUCT	2001-2002		2002-2003		2003-2004		2004-2005		2005-2006	
	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE
1	2	3	4	5	6	7	8	9	10	11
PERFORMANCE PLASTICS										
ABS RESIN	2781	1809	4769	2801	10562	6206	8135	5930	7524	6631
NYLON-6	11070	18249	11083	12622	13712	13783	15352	20722	20186	28224
POLYMETHYL METHACRYLATE	1925	1489	2564	1999	4020	3094	4195	3879	5330	4962
STYRENE ACRYLONITRILE	939	434	1543	636	2994	1444	2756	1426	3641	2237
TOTAL	16715	21982	19960	18059	31288	24527	30438	31958	36682	42053
OLEFINS										
BUTADIENE	6	6	30	74	589	321	2326	1333	1106	818
ETHYLENE	62667	11854	19709	4264	38021	19582	7968	3592	21710	8179
PROPYLENE	35001	4679	8	20	51	46	102	97	25182	4672
TOTAL	97674	16538	19747	4358	38661	19950	10395	5022	47998	13668
AROMATICS										
BENZENE	35298	5161	5318	1249	9182	2433	8191	3942	18520	6932
MIXED XYLENE	8003	1420	684	178	50	58	241	60	4	5
ORTHO-XYLENE	9700	1875	5501	1174	14701	4020	70922	27619	39846	15157
TOLUENE	27642	4026	20600	4053	35255	7915	34945	11771	84252	27320
PARAXYLENE	225865	50764	224384	57423	343437	103184	311811	124550	327556	137085
TOTAL	306507	63245	256487	64078	402625	117611	426111	167942	470179	186499

IMPORT OF PETROCHEMICALS

[Qty in Tons & Value in Rs. Lakh]

PRODUCT	2001-2002		2002-2003		2003-2004		2004-2005		2005-2006	
	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE	QTY.	VALUE
1	2	3	4	5	6	7	8	9	10	11
OTHER PETRO-BASED CHEMICALS										
ETHYLENE DICHLORIDE	262932	22483	179207	27398	237144	35980	173450	36263	273986	42064
BUTANOL	14163	3542	7965	2426	14728	4260	17929	6216	22449	9034
OXO ALCOHOL	0	0	0	0	477	339	2734	1255	857	895
2-ETHYL HEXANOL	0	0	0	0	7791	2115	7028	3001	7352	3298
VINYL CHLORIDE MONOMER	46751	9192	79241	20917	91873	28414	122382	45152	49391	15819
EPICHLHYDRINE	5251	2474	4178	1825	2934	1647	4742	2887	4458	3543
ISO BUTYLENE	25541	8100	18492	5366	19935	7312	59159	18049	41890	19191
METAXYLENE	6535	1410	2173	655	2358	888	3237	1339	3960	1696
METHYL ISOBUTYL KETONE	5595	2095	8287	3494	8559	3861	9503	5525	11083	7406
PIB	6007	2191	8637	3374	9348	3667	6713	3076	9722	4981
POLYCARBONATE	10268	11009	23190	19039	44356	33804	30694	29807	34133	49271
PROPYLENE OXIDE	745	424	866	476	1350	722	2201	1407	1816	1551
PROPYLENE GLYCOL	5754	2311	6663	3473	8672	4074	10740	5955	12885	8678
PET	2299	1267	3335	1648	3851	2035	16615	8143	70968	31553
UNSATURATED POLYESTER RESIN	4527	2278	4561	2716	13868	8065	56800	25668	78540	38622
ETHYL BENZENE	83	37	138	75	168	111	169	120	49	30
POLYACETAL RESIN	5915	2630	8144	3386	9362	4584	9387	5205	10340	6324
PHTHALIC ANHYDRIDE	8659	2090	9695	2875	17669	5384	19906	8249	24092	10061
STYRENE	233911	57394	185775	62976	273177	92862	386444	197238	391333	182013
VINYL ACETATE MONOMER	17910	4542	18264	5008	20958	6570	29217	12419	41864	17478
ISOPROPANOL	23250	4483	36320	10191	8768	2477	9898	4473	2955	1684

EXPORT OF SELECTED PETROCHEMICALS



EXPORT OF PETROCHEMICALS

Qty. in Tons & Value in Rs. Lakhs

PRODUCT	2001-2002		2002-2003		2003-2004		2004-2005		2005-2006	
	QTY	VALUE	QTY	VALUE	QTY	VALUE	QTY	VALUE	QTY	VALUE
1	2	3	4	5	6	7	8	9	10	11
SYNTHETIC FIBRES										
ACRYLIC FIBRE	6165	5415	10957	8969	19349	14446	17831	15339	11372	11350
NYLON FILAMENT YARN	3454	3063	5120	4844	12439	10628	7417	8296	5655	7132
NYLON INDUSTRIAL YARN/TYRE CORD	680	661	1501	1698	2517	2935	2909	4092	4009	6015
POLYESTER FILAMENT YARN	68134	41730	93775	57888	72147	43825	98207	69993	109875	80320
POLYESTER STAPLE FIBRE	17902	7372	29320	12778	31746	13708	50116	25904	42609	22046
POLYPROPYLENE FILAMENT YARN	1495	1543	2737	2590	2311	2157	975	856	938	980
POLYPROPYLENE STAPLE FIBRE	540	283	461	238	266	145	344	208	427	343
TOTAL	98369	60068	143872	89004	140775	87844	177799	124688	174884	128186
FIBRE INTERMEDIATES										
ACRYLONITRILE	36	288	26	32	21	54	76	153	6	13
CAPROLACTUM	14793	10154	11412	6540	9741	5363	26189	24791	21350	20696
DIMETHYL TEREPHTHALATE	1495	463	16255	3656	696	250	513	202	1149	512
MONO EHYLENE GLYCOL	13106	2897	5665	1326	39851	10918	142694	50959	137410	54088
PURIFIED TEREPHTHALIC ACID	119470	22564	193188	49113	95597	24029	42984	11799	12304	4174
TOTAL	148899	36366	226546	60667	145906	40614	212456	87903	172219	79483

EXPORT OF PETROCHEMICALS

Qty. in Tons & Value in Rs. Lakhs

PRODUCT	2001-2002		2002-2003		2003-2004		2004-2005		2005-2006	
	QTY	VALUE	QTY	VALUE	QTY	VALUE	QTY	VALUE	QTY	VALUE
1	2	3	4	5	6	7	8	9	10	11
POLYMERS										
LOW DENSITY POLYETHYLENE	6190	1858	20259	5533	2288	892	33028	14701	14212	6762
HIGH DENSITY POLYTHYLENE	79333	19097	198525	50851	233457	68353	364383	150086	285331	131248
POLYESTYRENE	47971	12859	69851	23753	72325	27807	74260	41431	120993	62578
POLYPROPYLENE (INC. CO-POLYMER)	373359	90605	405821	110936	486485	152842	471870	204479	224167	106472
EXPANDABLE POLYESTYRENE	8073	2188	12575	4364	6300	2122	1098	605	5960	3106
POLY VINYL CHLORIDE	9314	2623	1023	513	15210	5907	16369	7581	20911	10344
LINEAR LOW DENSITY POLYTHYLENE	43674	10201	52671	13124	26503	7890	54080	25757	23190	11339
TOTAL	567914	139431	760724	209074	842568	265814	1015088	444641	694763	331849
ELASTOMERS										
STYRENE BUTADIENE RUBBER	1878	892	1653	677	3724	1648	3118	1440	12506	6402
POLY BUTADIENE RUBBER	446	204	6078	1835	1981	621	24	20	5337	2792
ETHYL PROPYLENE DIMERS	167	130	260	172	1444	855	2729	1822	2448	1940
ETHYL VINYL ACETATE	50	47	90	42	964	313	186	169	380	297
NITRILE BUTADIENE RUBBER	44	27	207	113	194	88	277	199	607	643
BUTYL RUBBER	595	264	54	25	160	75	199	147	307	272
TOTAL	3180	1564	8341	2864	8467	3599	6533	3797	21585	12346
SYNTH. DETERGENT INTERMEDIATES										
LINEAR ALKYL BENZENE	32330	13596	58080	20212	41921	13221	66716	27095	107596	51458
ETHYLENE OXIDE	21	15	26	28	60	74	160	272	30	46
TOTAL	32351	13610	58106	20241	41981	13295	66876	27367	107626	51504

EXPORT OF PETROCHEMICALS

Qty. in Tons & Value in Rs. Lakhs

PRODUCT	2001-2002		2002-2003		2003-2004		2004-2005		2005-2006	
	QTY	VALUE	QTY	VALUE	QTY	VALUE	QTY	VALUE	QTY	VALUE
1	2	3	4	5	6	7	8	9	10	11
PERFORMANCE PLASTICS										
ABS RESIN	76	45	41	32	1498	416	200	145	1636	1074
NYLON-6	386	338	442	393	1284	1079	1672	1562	1945	2296
POLYMETHYL METHACRYLATE	462	143	311	164	205	115	801	450	872	547
STYRENE ACRYLONITRILE	19	51	20	13	41	20	180	99	100	57
TOTAL	944	578	814	602	3028	1630	2853	2256	4553	3974
OLEFINS										
BUTADIENE	0	0	0	0	0	0	48052	22081	86303	41359
ETHYLENE	0	0	15	8	128	155	27	28	229	156
PROPYLENE	3	17	0	0	4	4	4	4	1	2
TOTAL	3	18	15	8	132	159	48083	22113	86534	41516
AROMATICS										
BENZENE	40622	7100	66733	15607	36411	8744	192083	72278	238176	82990
MIXED XYLENE	1020	151	6149	1167	47174	13908	13	9	11604	4923
ORTHO-XYLENE	1520	315	5822	1247	61752	13762	8438	3093	101640	44771
TOLUENE	391	219	1083	715	5610	1589	577	274	665	392
PARAXYLENE	2625	319	84260	22832	443256	115269	363899	140398	454176	194188
TOTAL	46178	8104	164047	41568	594204	153274	565010	216052	806261	327265

EXPORT OF PETROCHEMICALS

Qty. in Tons & Value in Rs. Lakhs

PRODUCT	2001-2002		2002-2003		2003-2004		2004-2005		2005-2006	
	QTY	VALUE	QTY	VALUE	QTY	VALUE	QTY	VALUE	QTY	VALUE
1	2	3	4	5	6	7	8	9	10	11
OTHER PETRO-BASED CHEMICALS										
ETHYLENE DICHLORIDE	36	21	0	0	0	1	147	270	14	6
BUTANOL	23	7	13	13	124	120	1386	858	801	708
OXO ALCOHOL	0	0	0	0	138	122	178	347	82	224
2-ETHYL HEXANOL	0	0	0	0	21	84	1466	848	6	25
VINYL CHLORIDE MONOMER	80	55	0	0	13	7	70	24	4579	1661
EPICHLHYDRINE	19	9	1	2	552	235	856	460	359	289
ISO BUTYLENE	10	6	5	6	6	12	1517	766	91	90
METAXYLENE	1473	449	3250	705	4100	850	2515	569	7200	3572
METHYL ISOBUTYL KETONE	486	771	497	821	286	381	291	526	301	711
PIB	79	32	26	2	641	239	18	9	29	5
POLYCARBONATE	664	588	3943	3310	2951	2314	3484	3468	3056	4317
PROPYLENE GLYCOL	13	19	122	53	296	178	374	233	527	388
PET	38260	14151	39128	14701	108760	42338	234252	116316	284510	149386
UNSATURATED POLYSTER RESIN	11955	4450	4257	2052	8424	3845	7383	3857	9495	6144
ETHYL BENZENE	1	2	111	265	138	331	128	149	238	251
POLYACETAL RESIN	654	260	67	57	1215	583	989	574	587	285
PHTHALIC ANHYDRIDE	34395	7615	74928	20574	57703	16621	50308	19410	54370	20763
STYRENE	666	299	288	303	217	151	715	457	373	340
VINYL ACTATE MONOMER	145	72	189	75	155	62	278	133	515	207
ISOPROPANOL	6	6	19	13	26	31	42	67	69	33

CONSUMPTION OF PETROCHEMICALS					
(Figures in 000' Tons)					
GROUP	CONSUMPTION (Prodn.(+) Import (-) Export)				
	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006
A : BASIC PETROCHEMICALS					
I. SYNTHETIC FIBRES	1717.31	1800.03	1881.67	1890.16	1893.28
II. POLYMERS	3826.12	3795.68	4106.93	4177.06	4795.16
III. SYNTHETIC RUBBERS	180.86	195.97	257.52	300.40	328.42
IV. SYNTHETIC DETERGENT INTERMEDIATES	392.53	389.54	414.34	431.15	453.41
V. PERFORMANCE PLASTICS	105.65	113.80	127.52	140.42	158.81
MAJOR PETROCHEMICALS (I to V)	6222.46	6295.01	6787.97	6939.19	7629.08
B : INTERMEDIATES					
FIBRE INTERMEDIATES	2381.85	2522.82	2767.46	2835.80	3082.44
OLEFINS	3794.48	3981.41	4320.20	4630.20	4632.21
AROMATICS	2502.88	2518.70	2233.38	2312.41	2200.47

CONSUMPTION OF PETROCHEMICAL PRODUCTS					
(Figures in Tons)					
PRODUCT	CONSUMPTION (Prodn.(+) Import (-) Export)				
	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006
A : BASIC PETROCHEMICALS					
I. SYNTHETIC FIBRES					
ACRYLIC FIBRE	101394	116388	112121	124258	114388
POLYESTER STAPLE FIBREFILL	25312	29506	38835	39820	47432
NYLON FILAMENT YARN	29148	29414	27603	45310	46257
NYLON INDUSTRIAL YARN/TYRE CORD	64038	63594	68763	64828	67965
POLYESTER FILAMENT YARN	924896	967717	1029539	992508	1004537
POLYESTER STAPLE FIBRE	555335	571182	584010	603982	596337
POLYPROPYLENE FILAMENT YARN	15242	20003	18165	16195	13518
POLYPROPYLENE STAPLE FIBRE	1941	2222	2629	3258	2847
TOTAL I	1717306	1800026	1881665	1890159	1893281
II. POLYMERS					
LOW DENSITY POLYETHYLENE	218578	199358	209216	200559	232242
HIGH DENSITY POLYTHYLENE	1007416	894690	833905	760660	888139
POLYESTYRENE	183026	164240	214514	210662	204077
POLYPROPYLENE (INC. CO-POLYMER)	1084101	1128801	1178815	1314609	1445030
EXPANDABLE POLYESTYRENE	17911	17622	26713	37778	36842
POLY VINYL CHLORIDE	852111	878418	969764	960122	1199052
LINEAR LOW DENSITY POLYTHYLENE	462973	512550	674007	692669	789782
TOTAL II	3826116	3795679	4106934	4177059	4795164

CONSUMPTION OF PETROCHEMICAL PRODUCTS					
(Figures in Tons)					
PRODUCT	CONSUMPTION (Prodn.(+) Import (-) Export)				
	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006
III. SYNTHETIC RUBBERS					
STYRENE BUTADIENE RUBBER	50938	63891	77733	88535	72810
POLY BUTADIENE RUBBER	66590	69992	71738	79592	79494
ETHYL PROPYLENE DIMERS	6282	6415	11223	10888	12329
ETHYL VINYL ACETATE	18952	13397	28770	51176	103319
NITRILE BUTADIENE RUBBER	11302	12793	15633	20989	20455
BUTYL RUBBER	26792	29478	52421	49217	40012
TOTAL III	180856	195966	257518	300397	328419
IV. SYNTHETIC DETERGENT INTERMEDIATES					
LINEAR ALKYL BENZENE	323811	317370	342974	352035	365895
ETHYLENE OXIDE	68717	72170	71362	79118	87515
TOTAL IV	392528	389540	414336	431153	453410
V. PERFOR MANCE PLASTICS					
ABS RESIN	51737	54216	57473	70138	81736
NYLON-6	18464	18989	22786	25390	29989
POLYMETHYL METHACRYLATE	3832	4837	6473	5605	6924
STYRENE ACRYLONITRILE	31068	35095	39972	38261	39088
NYLON 6,6	552	664	813	1028	1073
TOTAL V	105653	113801	127517	140422	158810
Major Petrochemicals (I to V)	6222459	6295012	6787970	6939190	7629084

CONSUMPTION OF PETROCHEMICAL PRODUCTS					
(Figures in Tons)					
PRODUCT	CONSUMPTION (Prodn.(+) Import (-) Export)				
	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006
B : INTERMEDIATES					
FIBRE INTERMEDIATES					
ACRYLONITRILE	126529	103359	134299	94807	103286
CAPROLACTUM	98527	92110	106764	100902	108782
DIMETHYL TEREPHTHALATE	179420	186086	228470	241158	202744
MONO EHYLENE GLYCOL	563674	628763	694631	679385	838445
PURIFIED TEREPHTHALIC ACID	1413703	1512506	1603296	1719544	1829178
TOTAL	2381853	2522824	2767460	2835796	3082435
OLEFINS					
BUTADIENE	59391	68540	114716	85672	121740
ETHYLENE	2165409	2324323	2459138	2652528	2740663
PROPYLENE	1569677	1588542	1746343	1891997	1769804
TOTAL	3794477	3981405	4320197	4630197	4632207
AROMATICS					
BENZENE	505596	533537	581052	456197	466163
MIXED XYLENE	61288	46860	8464	63377	44127
ORTHO-XYLENE	165588	191418	159528	208049	180615
TOLUENE	176811	182377	195178	211600	242482
PARAXYLENE	1593594	1564505	1289160	1373187	1267082
TOTAL	2502877	2518697	2233382	2312410	2200469