

GOVERNMENT OF INDIA
MINISTRY OF CHEMICALS AND FERTILIZERS
DEPARTMENT OF CHEMICALS AND PETROCHEMICALS

LOK SABHA
UNSTARRED QUESTION NO. 3621

ANSWERED ON:- 21/03/2025

PRODUCTION CAPACITY OF CHEMICAL INDUSTRY

3621. SHRI Y S AVINASH REDDY:

Will the Minister of CHEMICALS AND FERTILIZERS be pleased to state:

- (a) the details about expansion in the production capacity of the major chemicals industry;
and
- (b) an overview of the current production levels of major chemicals in the country?

ANSWER

THE MINISTER OF STATE OF CHEMICALS AND FERTILIZERS
(SMT. ANUPRIYA PATEL)

- (a) to (b): Department of Chemicals & Petrochemicals (DCPC) compiles data on production and installed capacity of major chemicals from certain identified major chemical units for assessing the trends of production in the sector. Details of production capacity of the major chemicals so identified in the country year wise from Financial Year 2019-20 to Financial Year 2023-24 are given at **Annex-I**. The production capacity of these major chemicals has seen expansion of 8.13% during the period from Financial Year 2019-20 to Financial Year 2023-24. Production details of these major chemicals during the same period is given at **Annex-II**.

Annexure-I

Installed Capacity of Chemical products.							
Figures in MT							
Sl.No	NAME OF THE PRODUCT	2019-20	2020-21	2021-22	2022-23	2023-24	Growth rate of FY 2023-24 w r t 2019-20
A.	ALKALI CHEMICALS						
1	SODA ASH	3614000	3614000	3614000	3714000	3714000	2.77
2	CAUSTIC SODA	3700340	3898200	4150825	4227395	4304395	16.32
3	LIQUID CHLORINE	2774726	2961232	3124413	3158153	3241957	16.84
	GROUP TOTAL	10089066	10473432	10889238	11099548	11260352	11.61
B.	INORGANIC CHEMICALS						
1	ALUMINIUM FLOURIDE	25600	25600	25600	25600	25600	0.00
2	CALCIUM CARBIDE	112000	112000	112000	112000	112000	0.00
3	CARBON BLACK	696000	696000	696000	696000	771000	10.78
4	POTASSIUM CHLORATE	28600	28600	28600	28600	28600	0.00
5	SODIUM CHLORATE	0	22320	22320	22320	22320	
6	TITANIUM DIOXIDE	82500	82500	82500	82500	82500	0.00
7	RED PHOSPHORUS	1680	1680	1680	1680	1188	-29.29
8	HYDROXEN PEROXIDE	218626	218626	221766	221266	222286	1.67
9	POTASSIUM IODATE	1200	1200	1200	1200	1200	0.00
10	CALCIUM CARBONATE	371545	371545	383545	383545	383545	3.23
	GROUP TOTAL	1537751	1560071	1575211	1574711	1650239	7.32
C.	ORGANIC CHEMICALS						
1	ACETIC ACID	142048	142048	142048	165508	165508	16.52
2	ACETIC ANHYDRIDE	119175	119175	119175	124650	112650	-5.48
3	ACETONE	47140	47140	47140	47140	47140	0.00
4	PHENOL	76750	76750	76750	76750	76750	0.00
5	METHANOL	474300	474300	474300	474300	660300	39.22
6	FORMALDEHYDE	411300	397800	451776	435276	439651	6.89

7	NITROBENZENE	129450	126450	126450	126450	129450	0.00
8	MALEIC ANHYDRIDE	7660	7660	7660	7660	7660	0.00
9	PENTAERYTHRITOL	15760	15760	17400	17400	17400	10.41
10	ANILINE	54100	54100	54100	54100	54100	0.00
11	CHLORO METHANES	279250	330990	345990	438450	435750	56.04
12	ISOBUTYLBENZENE	16800	16800	16800	16800	16800	0.00
13	ONCB	30000	30000	30000	30000	30000	0.00
14	PNCB	48400	48400	48400	48400	48400	0.00
15	MEK	10000	10000	10000	10000	10000	0.00
16	ACETALDEHYDE	151010	151010	151970	151970	154970	2.62
17	ETHANOLAMINES	17760	27000	27000	27000	27000	52.03
18	ETHYL ACETATE	562060	562060	575060	575060	564260	0.39
19	MENTHOL	33650	33650	33650	33650	33650	0.00
20	ORTHO NITRO TOLUENE	44800	44800	44800	44800	44800	0.00
	GROUP TOTAL	2671413	2715893	2800469	2905364	3076239	15.15
D.	PESTICIDES AND INSECTICIDES						
1	D.D.T.	6344	6344	6344	6344	5000	-21.19
2	MALATHION	3800	3800	3800	3800	5760	51.58
3	DIMETHOATE	1450	1450	1450	1450	1450	0.00
4	D.D.V.P.	33620	33620	33620	33620	24920	-25.88
5	QUINALPHOS	2200	3400	3400	3400	1980	-10.00
6	MONOCROTOPHOS	13940	13940	13940	13940	21205	52.12
7	PHOSPHAMIDON	2000	2000	2000	2000	0	-100.00
8	PHORATE	12400	12400	6600	6600	0	-100.00
9	ETHION	2800	2800	2800	2800	2800	0.00
10	FENVALERATE	4960	4960	4960	4960	4860	-2.02
11	CYPERMETHRIN	23826	23826	24726	26799	44779	87.94
12	ACEPHATE	20500	20500	20500	20500	51277	150.13
13	CHLORPYRIPHOS	13600	13800	13400	13400	10900	-19.85
14	TRIAZOPHOS	3360	3360	3360	3360	960	-71.43
15	TEMEPHOS	250	250	250	250	495	98.00
16	DELTAMETHRIN	790	790	850	1020	1070	35.44
17	ALPHAMETHRIN	480	500	600	644	644	34.17
18	PROFENOFOS TECHNICAL	10500	10500	17300	17400	19635	87.00
19	PRETILACHLOR TECHNICAL	4240	4240	4240	4480	4600	8.49
20	LAMBDA CYHALOTHRIN	2850	3200	3150	3766	10916	283.02
21	PHENTHOATE	900	900	900	900	1386	54.00
22	PERMETHRIN TECH	1800	1800	1800	1914	1914	6.33
23	IMIDACALOPRID TECH	150	150	150	150	200	33.33
24	CAPTAN & CAPTAFOL	3430	3430	3430	3430	3430	0.00

25	ZIRAM(THIO BARBAMATE)	697	697	697	697	313	-55.09
26	CARBENDZIM(BAVISTIN)	780	780	780	780	240	-69.23
27	MANCOZAB	84696	119796	121796	121796	131950	55.79
28	HEXACONAZOLE	1700	1700	2820	3460	3460	103.53
29	METCONAZOLE	750	750	500	500	500	-33.33
30	2, 4-D	27000	27000	30000	30000	32000	18.52
31	BUTACHLOR	500	500	500	500	0	-100.00
32	ETHOFUMESATE TECHNICAL	1650	1650	1650	1950	2013	22.00
33	THIAMETHOXAM TECHNICAL	4550	5100	5100	6320	5820	27.91
34	PENDIMETHALIN	6000	5800	6600	7400	4900	-18.33
35	METRIBUZIN	1950	2518	2865	3840	3840	96.92
36	TRICLOPYR ACID TECH	300	300	300	300	300	0.00
37	ISOPROTURON	6000	6000	6000	6000	6000	0.00
38	GLYPHOSATE	12920	12920	12920	12920	9600	-25.70
39	DIURON	6000	6000	6000	6000	6000	0.00
40	ATRAZIN	1200	1200	1200	2400	3000	150.00
41	ZINC PHOSPHIDE	1920	1920	1920	1920	2544	32.50
42	ALUMINIUM PHOSPHIDE	4740	4740	4740	4740	11040	132.91
43	DICOFOL	150	150	150	150	0	-100.00
	GROUP TOTAL	333693	371481	380108	388600	443701	32.97
E.	DYES AND PIGMENTS						
1	AZO DYES	21138	21138	21138	18897	17700	-16.26
2	BASIC DYES	0	0	0	0	0	
3	ACID DIRECT DYES(OTHER THAN AZO)	40900	40900	40900	46000	46000	12.47
4	DISPERSE DYES	75009	77925	77925	92267	90380	20.49
5	FAST COLOUR BASES	0	0	0	0	0	
6	INGRAIN DYES	0	0	0	0	0	
7	OIL SOLUBLE (SOLVENT DYES)	3600	3600	3600	1200	1200	-66.67
8	OPTICAL WHITENING AGENTS	67680	67680	67680	67680	65280	-3.55
9	ORGANIC PIGMENTS	88355	88355	88355	89015	102687	16.22
10	PIGMENT EMULSION	5414	5414	5414	3770	10800	99.48
11	REACTIVE DYES	195731	196331	197531	216531	221151	12.99
12	SULPHUR DYES (SULPHUR BLACK)	8247	8247	8247	13200	13200	60.06
13	VAT DYES	2860	2860	2860	3340	3340	16.78

1	ACRYLONITRILE (ACN)	24000	24000	24000	24000	24000	0.00
2	CAPROLACTUM	120000	120000	120000	120000	120000	0.00
3	MONO ETHYLENE GLYCOL (MEG)	1868100	2210600	2210600	2210600	2335600	25.03
4	PURIFIED TEREPHTHALIC ACID (PTA)	3873000	3873000	3873000	3873000	4020000	3.80
	GROUP TOTAL	5885100	6227600	6227600	6227600	6499600	10.44
C.	POLYMERS						
1	LOW DENSITY POLYETHYLENE (LDPE)	560000	610000	610000	610000	610000	8.93
2	HIGH DENSITY POLYETHYLENE (HDPE)/LLDPE**	5158100	5158100	5158100	5158100	5158100	0.00
3	POLYSTYRENE (PS)	471000	471000	471000	499000	499000	5.94
4	POLYPROPYLENE(PP)	4933800	4933800	4933800	4933800	4933800	0.00
5	EXPANDABLE POLYSTYRENE (EXPS)	133300	133300	147100	193000	199000	49.29
6	POLY VINYL CHLORIDE (PVC)	1498000	1493000	1500000	1500000	1550000	3.47
	Group Total	12754200	12799200	12820000	12893900	12949900	1.53
	** Swing Capacity to produce both LLDPE and HDPE						
D.	SYNTHETIC RUBBER (ELASTOMERS)						
1	STYRENE BUTADIENE RUBBER (SBR)	271000	277000	271000	271000	271000	0.00
2	POLY BUTADIENE RUBBER (PBR)	100000	100000	100000	100000	100000	0.00
3	ETHYL VINYL ACETATE (EVA)	15000	15000	15000	15000	15000	0.00
4	NITRILE BUTADIENE RUBBER (NBR)	25300	13700	13700	15500	17400	31.23
	GROUP TOTAL	411300	405700	399700	401500	403400	-1.92
E.	SYNTH. DETERGENT INTERMEDIATE						
1	LINEAR ALKYL BENZENE (LAB)	544790	544790	544790	544790	586790	7.71
2	ETHYLENE OXIDE (EO)	135000	135000	135000	135000	135000	0.00
	GROUP TOTAL	679790	679790	679790	679790	721790	6.18
F.	PERFORMANCE PLASTICS						
1	ABS RESINS	210000	213000	199000	199000	203000	-3.33
2	NYLON-6/ NYLON 6,6*	68500	83500	83500	83500	83500	21.90
3	POLYMETHYL METHACRYLATE (PMMA)	3900	3900	3900	3900	0	100.00

4	STYRENE ACRYLONITRILE (SAN)	148000	167000	167000	167000	167000	12.84
5	PET Chips/Polyester Chips	2468500	2558550	2558550	2622550	2586300	4.77
6	PTFE (TEFLON)	20300	20300	20300	20300	20300	0.00
	GROUP TOTAL	2919200	3046250	3032250	3096250	3060100	4.83
G.	OLEFINS						
1	BUTADIENE	552000	552000	552000	552000	552000	0.00
2	ETHYLENE	7147300	7147300	7147300	7147300	7147300	0.00
3	PROPYLENE	5190378	5190378	5190378	5190378	6180703	19.08
	GROUP TOTAL	12889678	12889678	12889678	12889678	13880003	7.68
H.	AROMATICS						
1	BENZENE	1721346	1884346	1884346	1884346	1943018	12.88
2	MIXED XYLENE	898333	898333	898333	898333	898333	0.00
3	ORTHOXYLENE	420000	511000	511000	511000	511000	21.67
4	TOLUENE	288268	288268	288268	288268	288268	0.00
5	PARAXYLENE (PX)	3131700	3821700	3821700	3821700	3919700	25.16
	GROUP TOTAL	6459647	7403647	7403647	7403647	7560319	17.04
I.	OTHER PETRO-BASED CHEMICALS						
1	DIETHYLENE GLYCOL	132904	170904	170904	170904	187080	40.76
2	DIACETONE ALCOHOL	9500	9500	9500	9500	9500	0.00
3	ETHYLENE DICHLORIDE	593200	593200	593200	593200	569000	-4.08
4	BUTANOL	26000	26000	176000	176000	176000	576.92
5	2-ETHYL HEXANOL	55200	55200	110200	110200	110200	99.64
6	VINYL CHLORIDE MONOMER	541300	541300	541300	541300	572300	5.73
7	PBT*	0	0	0	0	0	
8	POLYCARBONATE*	0	0	0	0	0	
9	PROPYLENE OXIDE	36000	51000	51000	51000	51000	41.67
1	PROPYLENE GLYCOL	20000	22000	22000	22000	22000	10.00
1	POLYVINYL ACETATE RESIN	17340	12000	12000	12000	12000	30.80
1	UNSATURATED POLYESTER RESIN	34000	34000	34000	34000	34000	0.00
1	METHYL METHACRYLATE	4375	4375	4375	4375	4375	0.00
1	ISO-BUTANOL	2800	2800	9800	9800	9800	250.00
1	C4-RAFFINATE	291600	291600	291600	291600	291600	0.00
1	PHTHALIC ANHYDRIDE	401906	401906	401906	401906	401906	0.00
1	VINYL ACTATE MONOMER	30000	30000	30000	30000	30000	0.00
1	ISOPROPANOL	70200	70200	70200	70200	70200	0.00
1	POLYOL	146762	142027	148527	163027	163027	11.08
	GROUP TOTAL	2413087	2458012	2676512	2691012	2713988	12.47
	TOTAL PC (In MT)	48933311	50438760	50612396	50779096	52286931	6.85
	TOTAL PC (In 000'MT)	48933	50439	50612	50779	52287	6.85

* Combined Capacity of PBT, Polycarbonate, Nylon- 6, Nylon-6,6.

	Overall capacity of Chemical and Petrochemical Products (In 000'MT)	64093	66091	66790	67317	69308	8.13
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Annexure-II

Sl. No.	PRODUCTION REPORT OF CHEMICALS (Product Wise Summary) [in MT]					
A.	ALKALI CHEMICALS					
	Product	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
1.	SODA ASH	3069431	2638117	3078901	3219315	2975782
2.	CAUSTIC SODA	3136937	2964078	3462771	3604471	3617989
3.	LIQUID CHLORINE	2250429	2174264	2499329	2668849	2640410
	Total	8456797	7776459	9041001	9492635	9234181
B.	INORGANIC CHEMICALS					
	Product	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
1.	ALUMINIUM FLUORIDE	5050	3698	8909	5307	5384
2.	CALCIUM CARBIDE	81339	86778	98618	83437	80129
3.	CARBON BLACK	500146	384780	456487	447003	484376
4.	POTASSIUM CHLORATE	16178	17079	17678	14233	17090
5.	SODIUM CHLORATE	0	17917	21144	23210	21485
6.	TITANIUM DIOXIDE	49487	51222	56957	46811	54015
7.	RED PHOSPHORUS	1030	1066	1146	1170	1124
8.	HYDROGEN PEROXIDE	122839	139904	143488	184366	188120
9.	POTASSIUM IODATE	564	542	579	507	526
10.	CALCIUM CARBONATE	286833	274791	246775	252382	285055
	Total	1063466	977777	1051781	1058426	1137304
C.	ORGANIC CHEMICALS					
	Product	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
1.	ACETIC ACID	167856	154755	166590	165488	164318
2.	ACETIC ANHYDRIDE	74149	75088	78425	97851	69053
3.	ACETONE	36268	39034	36115	33987	29613
4.	PHENOL	57850	61272	58156	54980	47524
5.	METHANOL	176046	234026	167714	69268	183163
6.	FORMALDEHYDE	260413	244660	293071	301056	313110

7.	NITROBENZENE	61138	76092	82846	64466	82213
8.	MALEIC ANHYDRIDE	5024	5382	6328	6905	6485
9.	PENTAERYTHRITOL	15210	11652	16334	15594	14389
10.	ANILINE	25437	33529	39662	22165	30338
11.	CHLORO METHANES	296909	326952	340820	411558	386849
12.	ISOBUTYLBENZENE	9441	12719	8520	9603	9672
13.	ONCB	19836	23269	26686	27076	25431
14.	PNCB	31903	38885	43710	46193	42636
15.	MEK	9834	8001	8850	8348	7999
16.	ACETALDEHYDE	77102	55965	72512	77697	64184
17.	ETHANOLAMINES	15390	16703	20976	19685	22415
18.	ETHYL ACETATE	473392	453127	445434	438343	439642
19.	MENTHOL	7444	7482	10299	6357	6651
20.	ORTHO NITRO TOLUENE	25975	27672	29948	34895	37064
	Total	1846617	1906265	1952996	1911515	1982749
D.	PESTICIDES AND INSECTICIDES					
	Product	2019- 2020	2020-2021	2021- 2022	2022- 2023	2023-2024
1.	D.D.T.	1103	569	658	279	14
2.	MALATHION	3793	3838	3286	2837	2931
3.	DIMETHOATE	1446	1452	1391	1014	981
4.	D.D.V.P.	0	935	422	42	0
5.	QUINALPHOS	856	1056	2454	601	724
6.	MONOCROTOPHOS	5817	7917	7487	5100	11875
7.	ETHION	2127	2220	2794	2333	2626
8.	FENVALERATE	670	493	678	502	462
9.	CYPERMETHRIN	10865	12291	16480	10883	8561
10.	ACEPHATE	21081	29588	29556	33387	37356
11.	CHLORPYRIPHOS	6496	8529	7620	8454	7789
12.	TEMEPHOS	148	148	0	64	127
13.	DELTAMETHRIN	685	590	707	740	632
14.	ALPHAMETHRIN	438	536	506	488	227
15.	PROFENOFOS TECHNICAL	12361	16080	16247	16099	15144
16.	PRETILACHLOR TECHNICAL	3066	3587	3218	3455	1994
17.	LAMBDA CYHALOTHRIN	2297	1677	2696	3099	1996
18.	PHENTHOATE	1408	1349	1830	1797	1584
19.	PERMETHRIN TECH	1222	1656	2485	3584	2459
20.	IMIDACALOPRID TECH	20	29	26	1	20
21.	CAPTAN & CAPTAFOL	1462	1463	1897	1634	890

22.	ZIRAM(THIO BARBAMATE)	634	881	673	587	738
23.	MANCOZAB	60880	97428	118667	83615	107360
24.	HEXACONAZOLE	753	809	1279	614	840
25.	METCONAZOLE	207	200	190	347	298
26.	2, 4-D	22555	27050	39996	41962	35131
27.	ETHOFUMESATE TECHNICAL	792	433	732	892	788
28.	THIAMETHOXAM TECHNICAL	6152	5211	6562	6425	5058
29.	PENDIMETHALIN	2753	3639	4764	4674	4644
30.	METRIBUZIN	2648	3191	1999	2336	2044
31.	TRICLOPYR ACID TECH	132	0	380	169	213
32.	GLYPHOSATE	5911	6129	5722	4697	4934
33.	DIURON	3397	3423	2325	3501	4381
34.	ATRAZIN	1730	1611	1689	3063	5224
35.	ZINC PHOSPHIDE	1316	1468	2019	1488	2048
36.	ALUMINIUM PHOSPHIDE	4914	7614	9904	7367	8015
37.	DICOFOL	10	0	0	0	0
	Total	192145	255090	299339	258130	280108

E.	DYES AND PIGMENTS					
	Product	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
1.	AZO DYES	8540	6624	9146	7646	6472
2.	ACID DIRECT DYES(OTHER THAN AZO)	22748	20224	23973	21161	24839
3.	DISPERSE DYES	61942	51790	65940	60431	65372
4.	OIL SOLUBLE (SOLVENT DYES)	2413	441	673	473	551
5.	OPTICAL WHITENING AGENTS	20741	18175	22544	16767	19677
6.	ORGANIC PIGMENT	75082	67274	74335	55595	53932
7.	PIGMENT EMULSION	9685	8596	9310	8320	9101
8.	REACTIVE DYES	156710	132127	161940	117213	136593
9.	SULPHUR DYES (SULPHUR BLACK)	7445	5094	8583	10683	7932
10.	VAT DYES	2126	1986	2320	2442	1727
11.	FOOD COLOURS	671	493	705	919	778
12.	INORGANIC PIGMENTS	16121	14637	18551	16408	17679
	Total	384224	327461	398020	318058	344653

Sl. No.	PRODUCTION REPORT OF PETROCHEMICALS (Product Wise Summary)[in MT]					
A.	SYNTHETIC FIBRE					
	Product	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
1.	ACRYLIC FIBRE	102904	77016	66683	96154	76209
2.	POLYESTER STAPLE FIBREFILL	49888	40296	39041	34134	34950
3.	NYLON FILAMENT YARN	48290	33270	46189	44111	38689
4.	NYLON INDUSTRIAL YARN/TYRE CORD	99749	90289	115474	100607	113287
5.	POLYESTER FILAMENT YARN	252033 1	199792 7	256079 3	248648 0	250783 0
6.	POLYESTER STAPLE FIBRE	102749 2	909382	116048 4	116102 2	102529 0
7.	POLYPROPYLENE FILAMENT YARN	2516	2168	2805	1923	1924
8.	POLYPROPYLENE STAPLE FIBRE	18815	15336	21246	22231	22413
9.	POLYSTER INDUSTRIAL YARN	14730	12361	14387	13557	14629
10.	Elastomeric/Spandex Filament Yarn	8063	6600	12904	12330	17314
	Total	389277 8	318464 5	404000 6	397254 9	385253 5
B.	FIBRE INTERMEDIATE					
	Product	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
1.	CAPROLACTUM	84062	80405	108166	129636	114621
2.	MONO EHYLENE GLYCOL	200777 8	198198 3	199016 2	165619 7	168366 8
3.	PURIFIED TEREPHTHALIC ACID	326707 1	299676 0	338334 2	320220 1	315799 7
	Total	535891 1	505914 8	548167 0	498803 4	495628 6
C.	POLYMERS					
	Product	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
1.	LOW DENSITY POLYETHYLENE	613287	616613	583038	625090	581723
2.	HIGH DENSITY POLYTHYLENE	189756 6	191004 3	191576 6	171789 8	196146 0
3.	POLYESTYRENE	291720	217447	247944	271678	292914
4.	POLYPROPYLENE (INC. CO-POLYMER)	498281 5	491910 0	524069 8	477351 3	537120 0
5.	EXPANDABLE POLYESTYRENE	110683	87387	97220	108424	118314
6.	POLY VINYL CHLORIDE	151359 2	143411 9	147186 8	156559 1	147235 7

7.	LINEAR LOW DENSITY POLYTHYLENE	2994026	2958915	2914119	2424421	2749963
	Total	12403689	12143624	12470653	11486615	12547931
D.	SYNTHETIC RUBBER					
	Product	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
1.	STYRENE BUTADIENE RUBBER	227829	212909	237471	205389	245504
2.	POLY BUTADIENE RUBBER	130251	128547	132821	126109	134692
3.	NITRILE BUTADIENE RUBBER	0	11881	12340	13358	14454
	Total	358080	353337	382632	344856	394650
E.	SYNTHETIC DETERGENT INTERMEDIATES					
	Product	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
1.	LINEAR ALKYL BENZENE	413502	457072	462302	413161	478975
2.	ETHYLENE OXIDE	301181	279365	318086	289862	329391
	Total	714683	736437	780388	703023	808366
F.	PERFORMANCE PLASTICS					
	Product	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
1.	ABS RESIN	136464	121939	122783	148937	167369
2.	NYLON-6	40844	55385	68332	68733	65242
3.	STYRENE ACRYLONITRILE	133785	118613	121747	139067	128864
4.	NYLON 6,6	728	0	0	0	0
5.	POLYESTER CHIPS/PET CHIPS	1344698	1208990	1365925	1254304	1048913
6.	POLYTETRAFLUOROETHYLENE (PTFE)	15109	14638	18897	17324	14212
	Total	1671628	1519565	1697684	1628365	1424600
G.	OLEFINS					
	Product	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
1.	BUTADIENE	481014	458799	477402	429432	509021
2.	ETHYLENE	6466753	6364888	6414520	5802613	6057965
3.	PROPYLENE	4887618	5215758	5635102	5064000	5833976
	Total	11835385	12039445	12527024	11296045	12400962
H.	AROMATICS					

	Product	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
1.	BENZENE	1346237	1407866	1427550	1156599	1291923
2.	MIXED XYLENE	269626	146683	160867	45434	53038
3.	ORTHO-XYLENE	386391	522116	511150	408368	343191
4.	TOLUENE	140160	113985	115656	112502	131727
5.	PARAXYLENE	2782330	2614213	2461944	1638872	1417326
	Total	4924744	4804863	4677167	3361775	3237205
I.	OTHER PETROCHEMICALS					
	Product	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
1.	DIETHYLENE GLYCOL	167735	172326	173713	141759	147264
2.	DIACETONE ALCOHOL	6042	2927	5660	3169	6
3.	ETHYLENE DICHLORIDE	345294	326242	366955	398623	380204
4.	BUTANOL	16440	20285	38286	42426	41868
5.	2-ETHYL HEXANOL	48748	49672	91261	90221	101517
6.	VINYL CHLORIDE MONOMER	874468	799219	813082	849305	792330
7.	PBT	6245	6086	7546	7927	7585
8.	POLYCARBONATE	107	0	0	0	0
9.	PROPYLENE OXIDE	34563	44416	49923	49233	45224
10.	PROPYLENE GLYCOL	19508	19705	20543	21323	21200
11.	POLYVINYL ACETATE RESIN	0	2961	7345	9539	15611
12.	UNSATURATED POLYESTER RESIN	16435	12879	16547	19007	24969
13.	METHYL METHACRYLATE	1707	0	0	0	0
14.	ISO-BUTANOL	1712	2071	3969	5784	5821
15.	C4-RAFFINATE	413331	433417	444565	393521	448472
16.	PHTHALIC ANHYDRIDE	269641	292964	339617	330155	342349
17.	ISOPROPANOL	60505	55314	65127	48781	60491
18.	POLYOL	81752	77831	87154	99834	103092
	Total	2364233	2318315	2531293	2510607	2538003
