

**GOVERNMENT OF INDIA
MINISTRY OF CHEMICALS & FERTILIZERS
DEPARTMENT OF CHEMICALS & PETROCHEMICALS**

**LOK SABHA
UN-STARRED QUESTION NO. 1026
TO BE ANSWERED ON 22.07.2022**

‘Demand for Production of basic Chemicals’

1026. SHRI PATEL HASMUKHBHAI SOMABHAI:

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

- (a) whether there has been a substantial time gap between demand and actual production or excess production of basic chemicals like Caustic Soda, soda ash. Sulfuric Acid, Sulfur etc. in the country;
- (b) if so, the details thereof; and
- (c) the quantum of demand and excess production of aforementioned chemicals during the year 2018-19 and 2019-20 along with the estimated quantum of demand and supply for the current year, State-wise?

ANSWER

**MINISTER OF STATE FOR CHEMICALS AND FERTILIZERS
(SHRI BHAGWANTH KHUBA)**

(a) to (c): The chemical sector is de-licensed and de-regulated. The data available for production and consumption of caustic soda, soda ash and other related chemicals for the period 2018-19 and 2019-20 for the surveyed sample is enclosed at Annexure – I and Annexure – II respectively.

Annexure-I		
PRODUCTION REPORT OF CHEMICALS (Product Wise) for 2018-19 and 2019-20		
		Figures in MT
ALKALI CHEMICALS		
Product	2018-2019	2019-2020
SODA ASH	3048187	3069431
CAUSTIC SODA	2925352	3136937
LIQUID CHLORINE	2069111	2250429
Total	8042650	8456797
INORGANIC CHEMICALS		
Product	2018-2019	2019-2020
ALUMINIUM FLUORIDE	5697	5050
CALCIUM CARBIDE	83170	81339
CARBON BLACK	546390	500146
POTASSIUM CHLORATE	703	16178
SODIUM CHLORATE	0	0
TITANIUM DIOXIDE	57059	49487
RED PHOSPHORUS	1029	1030
HYDROGEN PEROXIDE	156453	122839
POTASSIUM IODATE	0	564
CALCIUM CARBONATE	213329	286833
Total	1063830	1063466
ORGANIC CHEMICALS		
Product	2018-2019	2019-2020
ACETIC ACID	153801	167856
ACETIC ANHYDRIDE	95471	74149
ACETONE	40740	36268
PHENOL	65394	57850
METHANOL	271929	176046
FORMALDEHYDE	226610	260413
NITROBENZENE	68804	61138
CITRIC ACID	0	0
MALEIC ANHYDRIDE	4557	5024
PENTAERYTHRITOL	14990	15210
ANILINE	37852	25437
CHLORO METHANES	285531	296909
ISOBUTYLBENZENE	9699	9441
ONCB	23696	19836
PNCB	36073	31903
MEK	6995	9834
ACETALDEHYDE	61890	77102
ETHANOLAMINES	16703	15390

ETHYL ACETATE	440563	473392
MENTHOL	6239	7444
ORTHO NITRO TOLUENE	16886	25975
Total	1884423	1846617
PESTICIDES AND INSECTICIDES		
Product	2018-2019	2019-2020
D.D.T.	1366	1103
MALATHION	4390	3793
PARATHION (METHYL)	0	0
DIMETHOATE	1257	1446
D.D.V.P.	9136	0
QUINALPHOS	885	856
MONOCROTOPHOS	5298	5817
PHOSPHAMIDON	0	0
PHORATE	5847	0
ETHION	1318	2127
ENDOSULPHAN	0	0
FENVALERATE	695	670
CYPERMETHRIN	10952	10865
ANILOPHOS	0	0
ACEPHATE	19633	21081
CHLORPYRIPHOS	7143	6496
PHOSALONE	0	0
METASYSTOX	0	0
ABATE	0	0
FENTHION	0	0
TRIAZOPHOS	886	0
LINDANE	0	0
TEMEPHOS	77	148
DELTAMETHRIN	682	685
ALPHAMETHRIN	344	438
PROFENOFOS TECHNICAL	12452	12361
PRETILACHLOR TECHNICAL	3626	3066
LAMBDA CYHALOTHRIN	622	2297
PHENTHOATE	1534	1408
PERMETHRIN TECH	1860	1222
IMIDACALOPRID TECH	100	20
OTHER PESTICIDES	0	0
OTHER INSECTICIDES	0	0
CAPTAN & CAPTAFOL	1931	1462
ZIRAM(THIO BARBAMATE)	763	634
CARBENDZIM(BAVISTIN)	21	0

CALIXIN	0	0
MANCOZAB	69331	60880
COPPER-OXYCHLORIDE	0	0
HEXACONAZOLE	501	753
METCONAZOLE	336	207
2, 4-D	24236	22555
BUTACHLOR	0	0
ETHOFUMESATE TECHNICAL	1042	792
THIAMETHOXAM TECHNICAL	5569	6152
PENDIMETHALIN	2822	2753
METRIBUZIN	1919	2648
TRICLOPYR ACID TECH	125	132
ISOPROTURON	0	0
BASALIN	0	0
GLYPHOSATE	6684	5911
PARAQUAT	0	0
DIURON	3618	3397
ATRAZIN	1477	1730
FLUCHLORALIN	0	0
ZINC PHOSPHIDE	1260	1316
ALUMINIUM PHOSPHIDE	4913	4914
METHYL BROMIDE	0	0
DICOFOL	52	10
OTHER HERBICIDES-ANTI SPROUTING PRODUCTS	0	0
OTHER FUNGICIDE NES	0	0
Total	216703	192145
DYES AND PIGMENTS		
Product	2018-2019	2019-2020
AZO DYES	9049	8540
ACID DIRECT DYES(OTHER THAN AZO)	24126	22748
BASIC DYES	0	0
DISPERSE DYES	55242	61942
FAST COLOUR BASES	0	0
INGRAIN DYES	0	0
OIL SOLUBLE (SOLVENT DYES)	2291	2413
OPTICAL WHITENING AGENTS	29303	20741
ORGANIC PIGMENT	73935	75082
PIGMENT EMULSION	9777	9685
REACTIVE DYES	151384	156710
SULPHUR DYES (SULPHUR BLACK)	7541	7445

VAT DYES	1779	2126
SOLUBILISED VAT DYES	4	0
FOOD COLOURS	786	671
NAPTHOLS	0	0
OTHER DYES	0	0
INORGANIC PIGMENTS	16288	16121
Total	381505	384224
<i>Note: Information on Production of Chemicals is based on MPRs received from manufacturer under large and Medium Scale units only monitored by S&M Division of DCPC.</i>		

Annexure - II		
CONSUMPTION REPORT OF CHEMICALS (Product Wise) for 2018-19 to 2019-20		
Figures in MT		
Group/Product	2018-2019	2019-2020
ALKALI CHEMICALS		
SODA ASH	3826321	3779386
CAUSTIC SODA	2961454	3258788
LIQUID CHLORINE	2064678	2246294
INORGANIC CHEMICALS		
ALUMINIUM FLUORIDE	67629	44050
CALCIUM CARBIDE	128166	112186
CARBON BLACK	702089	553620
POTASSIUM CHLORATE	-2193	13055
SODIUM CHLORATE	13430	24081
TITANIUM DIOXIDE	64260	59668
RED PHOSPHORUS	448	398
HYDROGEN PEROXIDE	240451	174758
POTASSIUM IODATE	0	564
CALCIUM CARBONATE	1252317	1416876
ORGANIC CHEMICALS		
ACETIC ACID	1073278	1081602
ACETIC ANHYDRIDE	89302	74149
ACETONE	146599	97666
PHENOL	292478	179582
METHANOL	2247698	2449379
FORMALDEHYDE	214148	246265
NITROBENZENE	86905	76538
CITRIC ACID	92960	88547
MALEIC ANHYDRIDE	74390	71799
PENTAERYTHRITOL	31110	33937
ANILINE	126169	106315
CHLORO METHANES	286869	299264
ISOBUTYLBENZENE	-2041	-262
ONCB	23696	19836
PNCB	36073	31903
MEK	53688	35100
ACETALDEHYDE	60836	76076
ETHANOLAMINES	30208	30398
ETHYL ACETATE	324798	367165
MENTHOL	-5778	-6588
ORTHO NITRO TOLUENE	12671	18755

PESTICIDES AND INSECTICIDES		
D.D.T.	1366	1103
MALATHION	1891	1475
PARATHION (METHYL)	0	0
DIMETHOATE	1131	1247
D.D.V.P.	10008	-12
QUINALPHOS	604	533
MONOCROTOPHOS	5298	5817
PHOSPHAMIDON	0	0
PHORATE	5847	0
ETHION	1318	2127
ENDOSULPHAN	0	0
FENVALERATE	695	670
CYPERMETHRIN	-2652	-4164
ANILOPHOS	0	0
ACEPHATE	19633	21081
CHLORPYRIPHOS	7143	6496
PHOSALONE	0	0
METASYSTOX	0	0
ABATE	0	0
FENTHION	0	0
TRIAZOPHOS	886	0
LINDANE	0	0
TEMEPHOS	77	148
DELTAMETHRIN	682	685
ALPHAMETHRIN	344	438
PROFENOFOS TECHNICAL	12452	12361
PRETILACHLOR TECHNICAL	3626	3066
LAMBDA CYHALOTHRIN	622	2297
PHENTHOATE	1534	1408
PERMETHRIN TECH	1860	1222
IMIDACALOPRID TECH	100	20
OTHER PESTICIDES	-37306	-2882
OTHER INSECTICIDES	-45525	-92827
CAPTAN & CAPTAFOL	1931	1462
ZIRAM(THIO BARBAMATE)	763	634
CARBENDZIM(BAVISTIN)	21	0
CALIXIN	0	0
MANCOZAB	69331	60880
COPPER-OXYCHLORIDE	-806	-2240
HEXACONAZOLE	501	753
METCONAZOLE	336	207

2, 4-D	4813	5314
BUTACHLOR	0	0
ETHOFUMESATE TECHNICAL	1042	792
THIAMETHOXAM TECHNICAL	5569	6152
PENDIMETHALIN	2822	2753
METRIBUZIN	1919	2648
TRICLOPYR ACID TECH	125	132
ISOPROTURON	3	0
BASALIN	0	0
GLYPHOSATE	6684	5911
PARAQUAT	0	0
DIURON	3618	3397
ATRAZIN	1477	1730
FLUCHLORALIN	0	0
ZINC PHOSPHIDE	1260	1316
ALUMINIUM PHOSPHIDE	4437	4489
METHYL BROMIDE	-2206	-1600
DICOFOL	52	10
OTHER HERBICIDES-ANTI SPROUTING PRODUCTS	-56014	-65202
OTHER FUNGICIDE NES	-178158	-155191
DYES AND PIGMENTS		
AZO DYES	-63513	-59506
ACID DIRECT DYES(OTHER THAN AZO)	19345	17280
BASIC DYES	-11530	-12201
DISPERSE DYES	36421	40902
FAST COLOUR BASES	-2483	-5099
INGRAIN DYES	0	0
OIL SOLUBLE (SOLVENT DYES)	-7194	-8088
OPTICAL WHITENING AGENTS	-391	-4605
ORGANIC PIGMENT	74058	75130
PIGMENT EMULSION	-92764	-93681
REACTIVE DYES	-4029	-9277
SULPHUR DYES (SULPHUR BLACK)	2937	3976
VAT DYES	18875	14002
SOLUBILISED VAT DYES	299	99
FOOD COLOURS	-26857	-23461
NAPTHOLS	-2021	-2795
OTHER DYES	-11284	-12953
INORGANIC PIGMENTS	-17082	-15213
<i>Note: Consumption figures are derived figures (Consumption = Production + Import – Export)</i>		