



GOA STATE POLLUTION CONTROL BOARD

FORM V

(See Rule 14)

Environmental Statement for the financial year ending on 31st March on or before 30th of September every year.

PART A

- (i) Name and address of the owner/ occupier of the industry operation or process : Procter & Gamble Health Limited
- (ii) Industry category Primary-(STC Code) : RED, Pharmaceuticals
Secondary-(STC Code)
- (iii) Production capacity : 2920 Tonnes

Production Name	Production Capacity	Production Unit
Injectables	300000000	Numbers/Year
Soft Gelatine Capsules	1000000000	Numbers/Year
Vitamine E Acetate Bulk Drug	1100	Metric Tonnes/Year
Vitamin E dry powder & Food premixes	1000	Metric Tonnes/Year
Thiamine Disulphide	70	Metric Tonnes/Year
Oxynex ST	300	Metric Tonnes/Year
EHCA	450	Metric Tonnes/Year

- (iv) Year of establishment : 1983
- (v) Date of the last environment statement submitted : 22/09/2020

PART B

1. Water consumption m³/ d

Process : 314

Cooling : 109

Domestic : 86

Name of products	Process water consumption per unit of product output	
	During the previous financial year	During the current financial year

2. Raw material consumption

Name of raw materials	Name of products	Consumption of raw material per unit	
		During the previous financial year	During the current financial year

Cynacobalamine Dry Pure	POLYBION INJECTION	3.072 gm	3.072 gm
Potassium Cyanide	POLYBION INJECTION	60.0 gm	60.0 gm
Thiamine HCL	POLYBION INJECTION	3.39 Kg	3.39 Kg
Riboflavin 5 Phosphate Sodium	POLYBION INJECTION	1.272 Kg	1.272 Kg
Nicotinamide	POLYBION INJECTION	12 Kg	12 Kg
Pyridoxine HCL	POLYBION INJECTION	1.2 kg	1.2 kg
Dpanthenol	POLYBION INJECTION	1.8 kg	1.8 kg
Benzyl Alcohol	POLYBION INJECTION	5.4 Kg	5.4 Kg
Polysorbate 80	POLYBION INJECTION	0.72 kg	0.72 kg
Pyridoxine HCL	NEUROBION RF	30.0 kg	30.0 kg
Mecobalamine	NEUROBION RF	0.696 kg	0.696 kg
Glacial Acetic acid	NEUROBION RF	2.73.litre	2.73.litre
Benzyl Alcohol	NEUROBION RF	12.0 kg	12.0 kg
Nicotinamide	NEUROBION RF	30.0 kg	30.0 kg
Sodium acetate anhydride	NEUROBION RF	0.42 Kg	0.42 Kg
Disodium Edetate	NEUROBION RF	0.6 kg	0.6 kg
Vitamin E Acetate IP	Evion 200	408 kg	408 kg
Gelatin Capsule grade IP.	Evion 200	175 kg	175 kg
Glycerine IP.	Evion 200	41.66 kg	41.66 kg
Sorbitol Solution IP.	Evion 200	45.83 kg	45.83 kg
Methyl Paraben IP.	Evion 200	0.834 kg	0.834 kg
Propyl Paraben IP.	Evion 200	0.417 kg	0.417 kg
Color Ponceua IP.	Evion 200	0.080 kg	0.080 kg
Colour Sunset Yellow IP	Evion 200	0.489 kg	0.489 kg
Purified Water	Evion 200	154 kg	154 kg
Arachis Oil (IP)	Evion 200	22 kg	22 kg
Glycerine IP.	Evion 400	35 kg	35 kg

Sorbitol Solution 70% IP.	Evion 400	39 kg	39 kg
Methyl Paraben IP.	Evion 400	0.7 kg	0.7 kg
Color Tartrazine Yellow IP.	Evion 400	0.293 kg	0.293 kg
Arachis Oil (IP)	Evion 400	22 kgs	22 kgs
Vitamin E Acetate IP.	Evion 600	408 kg	408 kg
Arachis Oil (IP)	Evion 600	22 kg	22 kg
Fish lipid oil	Maxepa	400 kg	400 kg
Gelatin Capsule grade IP.	Maxepa	187 kg	187 kg
Glycerine IP.	Maxepa	44 kg	44 kg
Methyl Paraben IP.	Maxepa	0.89 kg	0.89 kg
Propyl Paraben IP.	Maxepa	0.44 kg	0.44 kg
Purified Water	Maxepa	166 kg	166 kg
Sorbitol Solution 70% IP.	Seven seas	49 kg	49 kg
Methyl Paraben IP.	Seven seas	0.89 kg	0.89 kg
Propyl Paraben IP.	Seven seas	0.44 kg	0.44 kg
Purified Water	Seven seas	166 kg	166 kg
Alpha Lipoic Acid	Metneurobion caps	48.6 kg	48.6 kg
Arachis oil	Metneurobion caps	111.41 kg	111.41 kg
White Bees wax	Metneurobion caps	5.626 kg	5.626 kg
Soyalecithin	Metneurobion caps	5.06 kg	5.06 kg
Gelatin Capsule grade IP.	Metneurobion caps	175 kg	175 kg
Sorbitol Solution 70% IP.	Metneurobion caps	29.12 kg	29.12 kg
Methyl Paraben IP.	Metneurobion caps	0.623 kg	0.623 kg
Propyl Paraben IP.	Metneurobion caps	0.154 kg	0.154 kg
Titanium Dioxide	Metneurobion caps	0.966 kg	0.966 kg
Acetic Acid	Vitamin E Acetate-Bulk Drug.	550 LT.	550 LT.
Acetic Anhydride	Vitamin E Acetate-Bulk Drug.	360 LT.	360 LT.
Zinc Chloride	Vitamin E Acetate-Bulk Drug.	288 Kg.	288 Kg.
Hydrochloric acid	OXYNEX ST Pure	90 kgs	90 kgs
Vitamin E Acetate IP.	Evion 400	408 kg	408 kg

Gelatin Capsule grade IP.	Evion 400	147 kg	147 kg
Propyl Paraben IP.	Evion 400	0.35 kg	0.35 kg
Color Brilliant Blue IP	Evion 400	0.028 gms	0.028 gms
Paraffin Liquid Light.	Evion 400	15 lts	15 lts
Purified Water	Evion 400	128 kgs	128 kgs
Gelatin Capsule grade IP.	Evion 600	234 kg	234 kg
Glycerine IP.	Evion 600	56 kg	56 kg
Methyl Paraben IP.	Evion 600	1.12 kg	1.12 kg
Sorbitol Solution 70% IP.	Maxepa	49 kg	49 kg
Sorbitol Solution IP.	Evion 600	62 kg	62 kg
Propyl Paraben IP.	Evion 600	0.56 kg	0.56 kg
Gelatin Capsule grade IP.	Seven seas	187 kg	187 kg
Glycerine IP.	Seven seas	44 kg	44 kg
Mecobalamine	Metneurobion caps	0.304 kg	0.304 kg
Colour Sunset Yellow	Metneurobion caps	3.038 kg	3.038 kg
Sodium Acetate Anhydrous	Vitamin E Acetate-Bulk Drug.	12 Kg.	12 Kg.
Vitamin E Acetate IP	Vitamin E Dry Powder 50% IP	311.5 kg	311.5 kg
Hydrochloric acid	THIAMINE DISULFIDE	123.76 kg	123.76 kg
sodium hydroxide pellets	THIAMINE DISULFIDE	169.5 kg	169.5 kg
Zinc dust	OXYNEX ST Pure	210 kgs	210 kgs
Cyclohexane	OXYNEX ST Pure	250 L	250 L
syringaldehyde	OXYNEX ST Pure	450 kgs	450 kgs
Acetic acid	OXYNEX ST Pure	45 kgs	45 kgs
Diethyl malonate	OXYNEX ST Pure	700 kgs	700 kgs
Hydrochloric acid	OXYNEX ST Pure	225 L	225 L
Purified Water	Evion 600	208 kg	208 kg
Cod liver oil	Seven seas	300 kg	300 kg
Glycerine IP.	Metneurobion caps	48.58 kg	48.58 kg
Purified Water	Metneurobion caps	131 kg	131 kg
n-Hexane	Vitamin E Acetate-Bulk Drug.	65 LT.	65 LT.

Trimethyl hydroquinone	Vitamin E Acetate-Bulk Drug.	400 kg	400 kg
Isophytol	Vitamin E Acetate-Bulk Drug.	812 Kg.	812 Kg.
Zinc Dust	Vitamin E Acetate-Bulk Drug.	10 Kg.	10 Kg.
Silicon dioxide (F. Silica)	Vitamin E Dry Powder 50% IP	291.5 kg	291.5 kg
Thiamine Hydrochloride	THIAMINE DISULFIDE	525 kg	525 kg
Potassium hexacyanoferrate	THIAMINE DISULFIDE	0.84 kg	0.84 kg
Acetone	THIAMINE DISULFIDE	220 kg	220 kg
2-Ethyl hexanol	OXYNEX ST Pure	1170 kgs	1170 kgs
Sodium carbonate	OXYNEX ST Pure	90 kgs	90 kgs
Heptane	OXYNEX ST Pure	170 kgs	170 kgs
Hydrogen peroxide	THIAMINE DISULFIDE	81 kg	81 kg
n-Pentylamine	OXYNEX ST Pure	21.25 kgs	21.25 kgs

*Industry may use codes if disclosing details of raw materials would violate contractual obligations, otherwise all industries have to name the raw material used.

PART C

Pollution discharged to environment/ unit of output.

Pollution	Quantity of pollutants discharged(mass/day)	Concentration of pollutants in discharges(mass/volume)	Percentage of variation from prescribed standards with reasons
Water			
Water	pH	7.30	All results are within the prescribed limits.
Water	COD	88.67 mg/lit	All results are within the prescribed limits.
Water	BOD	18.12 mg/lit	All results are within the prescribed limits.
Water	TSS	44.75 mg/lit	All results are within the prescribed limits.
Water	O&G	2.50 mg/lit	All results are within the prescribed limits.
Water	Sulphide	1.22 mg/lit	All results are within the prescribed limits.

Water	Phenolics Compound	0.02 mg/lit	All results are within the prescribed limits.
Water	Hexavalent Chromium	0.01 mg/lit	All results are within the prescribed limits.
Water	Cyanide	0.01 mg/lit	All results are within the prescribed limits.
Water	Phosphate	2.30 mg/lit	All results are within the prescribed limits.
Water	Arsenic	0.01 mg/lit	All results are within the prescribed limits.
Water	Lead	0.01 mg/lit	All results are within the prescribed limits.
Water	Mercury	0.001 mg/lit	All results are within the prescribed limits.
Water	Bioassay Test	90% survival for 96 hrs	All results are within the prescribed limits.
Air			
Air	AAQM - PM10	70.32 µg/m ³	All results are within the prescribed limits.
Air	AAQM - PM2.5	27.47 µg/m ³	All results are within the prescribed limits.
Air	AAQM - SO ₂	5.18 µg/m ³	All results are within the prescribed limits.
Air	AAQM - NO _X	11.48 µg/m ³	All results are within the prescribed limits.
Air	AAQM - Ammonia	20 µg/m ³	All results are within the prescribed limits.
Air	AAQM - CO	0.1083 µg/m ³	All results are within the prescribed limits.
Air	AAQM - Lead	0.1 µg/m ³	All results are within the prescribed limits.
Air	AAQM - Benzene	1 µg/m ³	All results are within the prescribed limits.
Air	AAQM - Arsenic	5 µg/m ³	All results are within the prescribed limits.
Air	AAQM - Nickel	5 µg/m ³	All results are within the prescribed limits.
Air	AAQM - O ₃	20 µg/m ³	All results are within the prescribed limits.
Air	AAQM - Benzo(a) Pyrene	0.2 Ng/M ³	All results are within the prescribed limits.
Air	DG 500 KVA - SO ₂	6.70 kg/day	All results are within the prescribed limits.
Air	DG 500 KVA - NO _X	2.06 kg/day	All results are within the prescribed limits.

Air	DG 500 KVA - CO	0.73 kg/day	All results are within the prescribed limits.
Air	DG 500 KVA - HC	0.55 kg/day	All results are within the prescribed limits.
Air	DG 500 KVA - PM	1.20 kg/day	All results are within the prescribed limits.
Air	DG 750 KVA - SO2	7.48 kg/day	All results are within the prescribed limits.
Air	DG 750 KVA - NOX	3.29 kg/day	All results are within the prescribed limits.
Air	DG 750 KVA - CO	1.01 kg/day	All results are within the prescribed limits.
Air	DG 750 KVA - HC	0.76 kg/day	All results are within the prescribed limits.
Air	DG 750 KVA - PM	1.73 kg/day	All results are within the prescribed limits.
Air	Boiler 6 TPH - PM	86.15 kg/day	All results are within the prescribed limits.
Air	Boiler 6 TPH - SO2	11.34 kg/day	All results are within the prescribed limits.
Air	Boiler 4 TPH - PM	18.21 kg/day	All results are within the prescribed limits.
Air	Boiler 4 TPH - SO2	51.06 kg/day	All results are within the prescribed limits.
Air	Thermopac Boiler - PM	2.81 kg/day	All results are within the prescribed limits.
Air	Thermopac Boiler - SO2	5.58 kg/day	All results are within the prescribed limits.

Name of Pollutants : .

PART D Hazardous Wastes

(as specified under Hazardous Wastes (Management and Handling) Rules, 1989)

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
(a) From process	232.131	328.865
(b) From pollution control facilities	36.79	8.65

PART E Solid Wastes

	Total Quantity	
	During the previous financial year	During the current financial year
(a) From process	NIL	NIL

(b) From pollution control facility	NIL	NIL
(c)(1) Quantity recycled or re-utilised within the unit		
(2) Sold	798.67	762.77
(3) Disposed		

PART F

Please specify the characterization (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes As per solid waste of the category, waste is disposed to the party having valid pollution authorization..

PART G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production Reuse and recycling of treated effluent water. Used for water ring vaccum pumps there by conserving the natural water resources. Biomass fired boiler is used for the steam production there by conserving the fossil fuel. .

PART H

Additional measures/ investment proposal for environmental protection abatement of pollution, prevention of pollution Ambient Air Quality Monitoring and treated water online monitoring systems are established at sites and systems are working satisfactorily. .

PART I

Any other particulars for improving the quality of the environment Tree plantation done in factory premises on regular basis. .

Remarks : .