F O R M – V
(See Rule 14)*
ENVIRONMENTAL STATEMENT

From:
GULBRANDSEN PRIVATE LIMITED
ON COASTAL HIGHWAY
AT & PO-MUJPUR
TA-PADRA, DIST-VADODARA

To:
Gujarat Pollution Control Board
"Paryavaran Bhavan"
Sector-10A
GANDHINAGAR- 382 010.

Environmental Statement for the financial year 2022-23 ending on 31st March 2023

PART – A		
Name and address of the owner/ Occupier of the industry operation Or process	:	Mr. Narendra Varma Gulbrandsen Private Limited On Coastal Highway At & PO-Mujpur, TA-PADRA Dist-Vadodara
Industry category – Primary – (STC Code) Secondary – (SIC Code)	:	Large
Production capacity Units	:	Attached as **ANNEXURE-I**
Year of establishment	:	JULY 2000
Date of the last Environmental Statement submitted	:	May 09, 2022

* Submission of Environmental Statement is in accordance with the provisions of Rule-14 of the Environment (Protection) Amendment Rules, 1993 of the Environment (Protection) Act, 1986 (29 of 1986) published vide Notification dated 22-4-1993 G. S. R. 386 (E) in the Gazette of India-Extraordinary Part – II Section – 3 Subsection (i), No. 155 dated 28-4-1993 by the Ministry of Environment and Forests, Government of India; read with the Notification dated 13-3-1993 G. S. R. 329 (E), of the Gazette of India – Extraordinary Part – II Section – 3 Subsection (i) No. 120 dated 13-3-1993.

" Every person carrying on an industry, operation or process requiring Consent under Section – 25 of the Water (Prevention & Control of Pollution) Act, 1974 (6 of 1974) or under Section – 21 of the Air (Prevention & Control of Pollution) Act, 1981 (14 of 1981) or both or authorization under the Hazardous Waste (Management and Handling) Rules, 1989 Published under the Environment (Protection) Act, 1986 (29 of 1986) shall submit an Environmental Statement for the financial year ending the 31st March in Form V to the concerned State Pollution Control Board on or before the Thirtieth day of September every year, beginning 1993."

PART – B

Water and Raw Material Consumption		
Water Consumption M3/day	:	233.03 m3/day
Process	:	104.26 m3/day
Cooling	:	88.11 m3/day
Domestic, Gardening & Construction	:	40.66 m3/day

Name of Products	Process water consumption per unit of product output	
	During the previous financial Year 2021-22	During the current financial year 2022-23
	(1)	(2)

Sr. No.	Name of Product
A	**Inorganic Chemicals**
1	Tin Tetra Chloride (TTC)
2	AlCl3(25%) & AlCl3(30%)
3	Poly Aluminum Chloride
B	**Organometallic Compounds**
4	Tri n-Butyl Aluminum (TnBAl)
5	Tetra Butyl Tin (TBT)
6	Tetra Butyl Tin Chloride (TBTCl)
7	Dibutyltin oxide (DBTO)
8	CF-200
9	Triethyl Aluminum (TEAL)
10	Ethyl Aluminum Dichloride (EADC)
11	Ethyl Aluminum Sesquichloride (EASC)
12	Diethyl Aluminum Chloride (DEAC)
13	Diethyl Aluminum Ethoxide (DEAlOX)
14	TRIISOBUTYL ALUMINUM CHLORIDE (TiBAL)
15	DIISOBUTYL ALUMINUM HYDRIDE (DiBAL-H)
16	2-(2, 4 Dihydroxy Phenyl)-4, 6-bis (2, 4 Diethyl Phenyl) 1, 2, 5 Triazine (P-1062)
17	Monobutyltin Trichloride (MBTC) / Di Butyl tin Dichloride (DBTC) / Mix Butyl tin Chloride (5% to 95%)
18	Tin Stabilizer
C	**FORMULATIONS**
19	GCOAT H 110
20	25% Dibah in Toluene
21	TTC solution
22	25% Tibal in hydrobite
23	80% Tibal in hydrobite-380 oil
24	One step C
25	10%-50% TEAL in Hexane
26	Liquid-Liquid Blending/Formulation
D	**ORGANIC CHEMICALS**
27	PE Wax (Acculin) ,XACTOWAX
28	PE Alcohol (Acculinol)
29	PE Ethoxylate

0.82 m3/Ton	1.01 m3/Ton

(ii) Raw material consumption

* Name of raw material	Name of products	Consumption of raw material per unit of output	
		During the previous financial year	During the current financial year
ATTACHED AS ANNEXURE-II			

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

PART – C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

Pollutants	Quantity of pollutants discharged (mass/day)	Concentration of pollutants in discharged (mass/volume)	Percentage of variation from prescribed standards with reasons
Water Air	**ATTACHED AS ANNEXURE-III**		

PART – D

DETAILS OF HAZARDOUS WASTES

(As specified under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016)

Hazardous Waste	Total Quantity Disposed (MT)	
	During the previous financial year	During the current financial year
From Process From pollution control facilities	**DETAILS OF HAZARDOUS WASTE ATTACHED AS ANNEXURE IV**	

PART – E

Solid Waste
(DETAILS ATTACHED IN ANNEXURE- V)

	Total Quantity (MT)	
	During the previous financial year 2021-22	During the current financial year 2022-23
(a) from process	-	-
(b) From pollution control facility)	-	-
(C)		
1. Quantity recycled or re-utilized within the unit	0	0
2. Solid Waste Disposed	234.41	372.96

PART – F

Please specify the characterizations (in terms of composition and quantity) of hazardous as well as solid and indicate disposal practice adopted for both these categories of wastes.

DETAILS ATTACHED AS ANNEXURE-IV & V

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of pollution.

- Installed a 25 KW Solar generation plant on the terrace of Technical Block/ R&D block building of the plant. Due to the solar plant, 75 MT of eq. CO2 reduction by utilization of green electricity generated in 2022-23.
- Domestic effluent is treated in a Moving Bed Biofilm Reactor (MBBR) based Sewage Treatment Plant and reused for gardening purpose. This has resulted into reduction of water consumption for domestic purpose.
- Hazardous waste with high calorific value is being disposed of through GPCB approved pre-processing facilities resulting in heat recovery from waste and minimizing environmental pollution.
- 2% Reduction in Avg Power consumption norms in PEWax and Alkyl products manufacturing.

PART – H

Additional measure/investment proposal for environmental protection including abatement of pollution / prevention of pollution.

- 200 tree plantation in Plot #198.

PART- I

Any other particulars for improving the quality of the environment.

- Gabion construction in a nearby village to prevent soil erosion.
- 15000 L Rooftop RWH tank construction near Mujpur PHC.
- 2 check dams and 3 recharge wells constructed in nearby villages.
- Installation of 54 kW of Solar Power Generation system at multiple locations in nearby villages.

GILBRANDSEN PRIVATE LIMITED BARODA

Date: 26-06-2023

(Signature of a person carrying out an Industry, operation or process)

Name : Narendra Varma
Designation : Managing Director
Address : On Coastal Highway
Village: Mujpur Tal: Padra
Dist: Vadodara