

ENVIRONMENTAL STATEMENT

FORM - V

**FOR THE FINANCIAL YEAR ENDING
THE 31ST MARCH, 2022**

For the year 2021-2022

IN RESPECT OF

***M/S. ALPINE DISTILLERIES
PVT. LTD.***

***Vill. – Mahanad, Block – Polba – Dadpur, Polba,
District – Hoogly, Pin – 712149, West Bengal***

FOREWORD

M/s **Alpine Distilleries Pvt. Ltd.** has retained the service of **M/s. PACIFIC SCIENTIFIC CONSULTANCY PVT. LTD.** for preparing Environmental Statement (FORM- V), for the year 2021-2022, on behalf of the Management of the company. We would like to extend all possible help and co-operation towards them in accomplishing the above job.

For **M/S. Alpine Distilleries Pvt. Ltd.**

PREFACE

We have been retained by M/s **Alpine Distilleries Pvt. Ltd.** at Vill. – Mahanad, Block – Polba – Dadpur, Polba, District – Hoogly, Pin – 712149, West Bengal, to conduct an Environmental Statement(Form – V) for the year 2021-2022, on behalf of the Management of the unit. The Environmental statement (Form- V) 2021-2022 has been presented along with the monitoring data.

This environmental statement (Form – V) takes a brief look at the manufacturing process and the handling of raw materials. Pollution status of the unit has been analyzed on the basis of pollution monitoring and analysis data supplied by M/s. Envirocheck, a WBPCB recognized pollution monitoring unit. Water and Energy consumption data are given in the report as supplied by Plant Management.

We hereby acknowledge the co-operation and support extended to us by the Plant Management in preparing this report.

The image shows a handwritten signature in blue ink on the left and a circular stamp on the right. The stamp contains the text "Pacific Scientific Consultancy Pvt. Ltd." around the perimeter, "Kolkata-700074" in the center, and "M.S. D. & D. Chatterjee Road" at the bottom.

FOR M/s. PACIFIC SCIENTIFIC CONSULTANCY PVT. LTD.

1. INTRODUCTION:-

Industrial Pollution in our country is on increase and is creating a high-risk environment, which cannot be totally protected against extraneous stress, imposed by the industries. However, these strains need to be mitigated to tolerable limits. Every industry is undoubtedly vital for economic growth of the country. So, industries should be allowed to continue in strict conformance to existing environmental guidelines. Ministry of Environment and Forests, govt. of India, vide notification CSR329 (E) dated 13th March, 1992, introduced the "Environment Statement" as a technique for harmony between industry and environment, so that these could be mutually supportive. Every person carrying on an industry, operation or process; requirement of consent to operate under section 25 of the water (prevention and control of Pollution) Act, 1974 or under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 are essential.

Environment statement report for the financial year ending the 31st March in the prescribed Form-V also should be submitted to the concerned state pollution control board on or before 30th day of September every year.

DEFINITION: -

Environmental Statement is defined as a management tool comprising a systematic and documented approach towards evaluation of a company's environment system as a whole which includes assessment of present environmental practices, equipment performance, compliance to statutory regulations, document control, corrective and preventive actions adopted etc. So Environment Statement serves two basic purposes: one is evaluation of attitude of the organization in maintaining proper environmental practices and another is assessing equipment facilities.

The essential purpose of an environmental audit is the systematic scrutiny of environmental performance throughout a company's existing operations. At best, an Environment Statement is a comprehensive examination of management systems and facilities.

The term environmental audit means different things to different people. Terms such as assessment, survey and review are used to describe the same type of activity. Furthermore, some organizations consider that an “environmental audit” addresses only environmental matters, whereas others use the term to mean an audit of health, safety and environmental matters.

ADVANTAGE:-

Environmental Statement was introduced, as a technique to integrate interest of the industry and that of environment, by an amendment [GSR 329(E)] dated 13th March'92 to the Environment (protection) Rules, 1986. Environment Statement is to be carried out by the desire of the company's Management, in order to comply with Government regulations and for its own satisfaction about its pollution control activities. Environment Statement points out at the risk involved due to sudden failure of safety as well as control equipment. Environment Statement helps in optimal utilization of resources and cost minimization also.

FORM – V

ENVIRONMENT STATEMENT

**[FOR THE FINANCIAL YEAR ENDING
31ST MARCH 2022]**

FOR

[2021-2022]

Alpine Distilleries Pvt. Ltd.

***Vill. – Mahanad, Block – Polba – Dadpur, Polba, District –
Hoogly, Pin – 712149, West Bengal***

FORM – V

**Environmental Statement for the Financial Year
Ending the 31st March, 2022**

PART – A

(i)	Name and address of the owner/occupier of the industry, operation or process	:	Mr. Debraj Mukherjee Director M/s. Alpine Distilleries Pvt. Ltd. Vill. – Mahanad, Block – Polba – Dadpur, Polba, District – Hoogly, Pin - 712149, West Bengal.
(ii)	Industry category	:	Red
	Primary (STC code)	:	NA
	Secondary (SIC code)	:	NA
(iii)	Production capacity	:	Grain Based Distillery (ENA) – 1650 KL/Month, Power – 3 MW
(iv)	Year of establishment	:	December, 2020
(v)	Date of the last environmental statement submitted	:	Within September, 2021

PART - B**Water and River Material Consumption**

1. Water Consumption		M ³ /day.
i)	Process	185
ii)	Cooling *	123
iii)	Domestic	1.9
		309.9

Name of Products		Process water consumption per unit of product output	
		During the previous financial year [20-21]	During the current financial year [21-22]
1	Grain Based Distillery (ENA)	3.1 M ³ /KL	3.1 M ³ /KL
2	Power	1.75 M ³ /MWH	1.74 M ³ /MWH

1. Substituted by Rule 2 (b) of the Environment (Protection) Amendment Rules, 1993 notified vide G.S.R 3'6 (E) dated 22.04.1993.

ii) Raw materials consumption

*Name of the Raw Materials	Name of Products	Consumption of raw material used per ton of product output	
		During the previous financial year (20 - 21)	During the current financial year (21 - 22)
Yeast, Amyloglucosidase, Alfa Amylase, Urea, Sodium Hydroxide, Grains, Anti - Foam Agent	ENA	2.10 MT/KL	2.10 MT/KL
Coal	Power	2.04 MT/MW	2.03 MT/MW

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

PART – C**POLLUTION DISCHARGED TO ENVIRONMENT/UNIT OF OUTPUT**

(Parameter as specified in the consent issued)

- **Sampling on 21.03.2022**

Location: Domestic Effluent

Pollutants	Qty. of pollutants discharged (Kg/day)	Concentrations of pollutants in discharges (mg./l)	Percentage of variation from prescribed standards with reasons
(a)Water			
pH	-	7.30	-
TSS	3.7	20.0	-80.0%
O&G	-	<1.0	-
COD	14.8	80.0	-68.0%
BOD	4.62	25.0	-16.66%

Location: E.T.P Outlet

Pollutants	Qty. of pollutants discharged (Kg/day)	Concentrations of pollutants in discharges (mg./l)	Percentage of variation from prescribed standards with reasons
(a)Water			
pH	-	6.80	-
TSS	3.7	20.0	-80.0%
O&G	-	<1.0	-
COD	12.95	70.0	-72.0%
BOD	4.62	23.0	-23.33%

Remarks: The pollution load calculation is done on the basis of water generation (Process) =185 M³/day.

Pollutants		Quantity of pollutants discharged (Kg/day)	Concentrations of pollutants in discharges (mg./Nm ³)	*Percentage of variation from prescribed standards with reasons
(b)Air				
PM	Stack-1	23.59	36.50	-27.00%
	Stack-2	2.26	68.52	-54.32%

- This calculation is based on the values of emission generated.

Stack No.1 = Boiler, Stack No. 2 = D.G.-1000 KVA.

* Percentage of variation from prescribed limit of CPCB shows those pollution loads are insignificant for various stationery source of pollution.

PART – D**Hazardous Wastes****(as specified under Hazardous Waste Management and Handling Rules, 1989)**

Hazardous Waster	Total Quantity	
	During the previous Financial year (2020-21)	During the current Financial year (2021-22)
(a) From Process :	Not applicable	Not applicable
(b) From Pollution Control Facilities	Not applicable	Not applicable

PART - E**Solid Wastes**

No.	Waste Items	Total Quantity	
		During the previous financial year (20-21)	During the current financial year (21-22)
(a) From Process			
(i)	Coal Ash	2225 MT	2219 MT
(b) Solid waste from pollution control equipment (ESP)			
(i)	E.T.P Sludge	1.2 MT	1.15 MT

No	Waste Items	(1)Qty recycled /re-utilized within the unit	(2)Sold	(3)Disposed
(a) From Process :				
(i)	Coal Ash	NA	NA	Send to brick field
(b) Solid waste from Pollution Control Equipment (ESP)				
(ii)	E.T.P Sludge	NA	NA	Land filling

PART – F

PLEASE SPECIFY CHARACTERIZATION (IN TERMS OF COMPOSITION OF QUANTUM) OF HAZARDOUS AS WELL AS SOLID WASTES AND INDICATE DISPOSAL PRACTICE ADOPTED FOR BOTH THESE CATEGORIES OF WASTES.

For: Hazardous waste (2021-2022)

No.	Waste Items	Generation	Disposal	Mode of disposed
	From : Process	NA	NA	NA
	From Pollution Control Facility	NA	NA	NA

For: Solid waste

No.	Waste Items	Generation (MT)	Disposal (MT)	Mode of disposed
(a) From Process				
(ii)	Coal Ash	2219	2219	Send to brick field
Solid waste from pollution control equipment (Bag filter)				
(ii)	E.T.P Sludge	1.15	1.15	Land filling

PART – G

IMPACT OF THE POLLUTION ABATEMENT MEASURES TAKEN ON CONSERVATION OF NATURAL RESOURCES AND ON THE COST OF PRODUCTION

Pollution abatement measures are taken to minimize the dust emission from different existing stacks due to this dust pollution reduce to lower level than prescribe limit of CPCB/WBPCB. It causes insignificant impact on the surrounding environment.

In the audit year, the authority of Alpine Distilleries Pvt. Ltd. has spent copiously to maintain its lush green garden. The proponent has also planted 207 nos. of new sapling inside its premises.

PART – H**ADDITIONAL MEASURES/INVESTMENTS PROPOSAL FOR ENVIRONMENTAL PROTECTION INCLUDING ABATEMENT OF POLLUTION, PREVENTION OF POLLUTION:**

Alpine Distilleries Pvt. Ltd. spend in the (21-22) auditing year for various pollution related purposes like- WBPCB fees, Pollution Monitoring and Analysis charges, control equipments maintenance, green belt development and cleaning etc.

PART – I**ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF ENVIRONMENT:**

The management of Alpine Distilleries Pvt. Ltd. organizes regular awareness and training programme regarding process operation, maintenance, resource (optimum) utilization, and environment and energy conservation to educate its employees about the sustainable development.

SIGNATURE :**NAME & DESIGNATION :**