



Date :12/07/2023

To
The IGF& Incharge, GOI, MOEF&CCA/3, Chandrasekharpur
Integrated Regional Office
Kolkata, 1B-198, Salt Lake City, Sector III
Kolkata- 700106
Email ID-iro.kolkata-mefcc@gov.in

PROJECT NAME : : Grain based Distillery (60 KLPD) along with Cogeneration Power Plant (3.0 MW) at Village – Mahanad, Block – Polba – Dadpur, Polba, District – Hoogly, West Bengal by M/s Alpine Distilleries Pvt. Ltd. – Environmental clearance reg.

EC Ref. No. : F-No. – J-11011/227/2012 – IA II (I), Dated – 23.02.2015

COMPLIANCE PERIOD: October 2022 to March 2023

Sub.: **Submission of Six Monthly Compliance Report for the period of October 2022 to March 2023**

Sir,

We are pleased to submit the six monthly compliance reports to you regarding the above mentioned project at Village – Mahanad, Block – Polba – Dadpur, Polba, District – Hoogly, Pin – 712149, West Bengal.

The Compliance Report has been prepared against the conditions mentioned in the Environmental Clearance vide Ref. no. F-No. – J-11011/227/2012 – IA II (I), Dated 23.02.2015

We hope that you will do the needful in this regard.

Thanking you

Yours truly,

For Alpine Distilleries Pvt. Ltd.

For Alpine Distilleries Pvt. Ltd.

Alpine Distilleries Pvt. Ltd. *Sumanta Mitra*

CIN U51909WB2002PTC095415 **Authorised Signatory**

Registered Office & Manufactory :

Mouza : Nagarpara & Meghsar

Village & Post : Mahanad

P.S. : Polba, District : Hooghly

Pin : 712 149, West Bengal, India

Telephone : (03213) 263052 / 263053

E-mail: info@alpinedistilleries.co.in

Six Monthly Compliance Report

OCTOBER 2022 to MARCH 2023



PREPARED BY:-

M/s Alpine Distilleries Pvt. Ltd.

**Vill. & P.O – Mahanad, P.S - Polba, Block – Polba –
Dadpur, District
– Hoogly, Pin – 712149, West Bengal**

SIX MONTHLY COMPLIANCE REPORT OTCTOBER 2022 to MARCH 2023

Name of the Industry: M/s Alpine Distilleries Pvt. Ltd.

Project Address: Village & P.O - Mahanad, P.S – Polba,
Block – Polba-Dadpur, District – Hooghly, Pin – 712149,
West Bengal

Clearance Letter No. and date: J-11011/227/2012-IA II (I)

Dated: -23rd February 2015

A. SPECIFIC CONDITIONS:

Sr. No.	Conditions	Compliance Status
i	Distillery unit shall be based on Grain based only and no Molasses based distillery unit shall be operated. The unit use bagasse if available.	Distillery is being operated with grain only. and the unit is using coal only as fuel for boiler operation.
ii	Bag filter along with stack of adequate height shall be provided to Coal/rice husk fired boiler to control particular emission within 50mg/Nm ³ . At no time, the emission levels should go beyond the prescribed standard. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.	ESP is attached with coal fired boiler with adequate stack height to control particular emission within 50 mg/Nm ³ . At no time emission will go beyond the prescribed standard, we are involved in the continuous monitoring system for emission. The test report is attached as Annexure – 1 & pictorial Evidence is attached as Annexure 5 and Annexure 12.
iii	In plant, control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/ materials, multi-cyclone separator and water sprinkling system. Dust suppression system including water sprinkling shall be provided at loading and unloading areas to control dust emission.	The control measures for checking fugitive emissions from all the vulnerable sources have been done. Fugitive emissions have been controlled by providing closed storage, closed handling & conveyance of chemicals/ materials, bag filter and water sprinkling system. Dust suppression system including water sprinkling have been provided at loading and unloading areas to control the dust

	Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored and record shall be maintained. The emissions shall conform to the limits imposed by West Bengal State Pollution Control Board (WBSPCB).	emission. Fugitive emissions in the work zone environment, product, raw materials storage area etc. are being monitored and recorded. The test report is attached as Annexure – 1 & pictorial Evidence is attached as Annexure 5 & Annexure 13.
iv	Pucca approach road to project site shall be constructed prior to commencing construction activity of the main distillery so as to avoid fugitive emissions.	Approach road will be pitched within 6 Months. Metal Road could not be done due to compaction process of soil to sustain load bearing of Vehicles. We have our own civil team& it will be done as stated. To ensure wet condition of roads, the water sprinkling system have been provided to avoid fugitive emissions through roads.
v.	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB guidelines. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	The DG set has been provided with adequate stack height. Acoustic enclosure has been provided.
vi.	The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and the WBSPCB. The levels of PM _{2.5} , PM ₁₀ , NOX, CO and HC(Methane) in ambient air shall be monitored and displayed at a convenient location near the main gate of the company and at important public places	The company has uploaded the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and updated the same periodically (See Annexure 14). The data are being monitored & send to the regional office of MOEF, the respective Zonal office of CPCB and the WBSPCB. The levels of PM _{2.5} , PM ₁₀ , NOX, CO and HC(Methane) in ambient air are being monitored and the display board has been installed at the convenient location near main gate of the Company. (See Annexure 16) The AAQ reports are attached Annexure – 1.
vii.	Total fresh water requirement from ground water source shall be obtained from the CGWA/SGWA. Water consumption shall be reduced by adopting 3 R's (reduce, reuse and recycle) concept in the process.	The permission of total fresh water requirement has been obtained for ground water withdrawal from SWID. Water consumption has been reduced by adopted 3R's. See Annexure – 6.

viii.	Spent wash generation shall not exceed 6 KI/KI of alcohol. Spent wash shall be treated through decanter and concentrated in multi-effect evaporator (MEE) followed by dryer to form DDGS. Spent lees, MEE condensate, effluent from floor washing, utilities and Cogeneration unit shall be treated in effluent treatment (ETP) and water quality of treated effluent shall meet the norms by CPCB/SPCB.	Spent wash generation have been maintained up to 5.6 KL/KL of alcohol. Spent wash are being treated through decanter and concentrated in multi-effect evaporator (MEE) followed by dryer to form DDGS. Spent lees, MEE condensate, effluent from floor washing, utilities and cogeneration unit are continuously being treated in effluent treatment (ETP) and water quality of treated effluent regularly being monitored to maintain quality norms of CPCB/SPCB.
ix.	No effluent from distillery and co-generation power plant shall be discharged outside the factory premises and 'zero' effluent discharge concept shall be adopted.	The unit has adopted Zero liquid discharge concepts.
x.	Online continuous monitoring of flow and pollutants in the treatment plant to be installed and monitored by the respective Regional Office of MEF&CC/ SPCB. Data shall be uploaded on the company website or in Public domain.	Online continuous monitoring of flow and pollutants in the treatment plant has been installed to monitor. Online monitoring connectivity to CPCB server has been done. Annexure 17.
xi.	Process effluent/ any wastewater shall be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Storm water drain and waste water drain have separately made. We have made a guard pond to passed the storm water drain.
xii.	Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and this Ministry. The ground water quality monitoring for pH, BOD , COD Chloride, Sulphate and Total Dissolve Solids shall be monitored and report submitted to the Ministry's Regional Office at Bhubaneswar and WBSPCB.	<p>Adequate numbers of ground water quality monitoring stations will be set up by providing piezometers around the project area.</p> <p>Sampling and trend analysis monitoring are being monitored on quarterly/six monthly basis and the reports have been submitted to SPCB and this Ministry.</p> <p>The ground water quality monitoring of each bore wells for pH, BOD, COD Chloride, Sulphate and Total Dissolve Solids are being monitored and report already submitted to the Ministry's Regional Office and WBSPCB.</p> <p>The ground water analysis is done and given as Annexure – 2.</p>
xiii.	No storage of wet cake shall be done at site to avoid odour problem. An additional dryer shall be installed so that at any time wet cake is not sold then wet cake shall be converted into dry cake by operating additional dryer.	No storage of wet cake has been done at site. We have installed higher capacity dryer than required to avoid storage of wet cake.

xiv.	Coal storage shall be done in such a way that it does not get air borne or fly around due to wind. For this, it shall be kept in wet form.	Coal storage have been done in such a way that it does not get air borne or fly around due to wind. For this, we have kept it in wet form using water sprinkling system and particular covered shed.
xv.	Fly ash shall be done stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by	Fly ash is stored in a separate earmarked area. Necessary preventive measures are taken to avoid any spreading of Fly ash. To avoid direct exposure of fly ash to workers
	flowing along with the storm water. Direct exposure of workers to fly ash & dust shall be avoided.	and storm water during rainy season, we are filling the own land directly after disposal from closed system and kept the filled land always in wet condition through Sprinkling system.
xvi.	Fire fighting system shall be as per norms and cover all areas where alcohol is produced, handled and stored. Provision of foam system for firefighting shall be made to control fire from the alcohol storage tank.	Firefighting system have been installed as per norms and cover all areas where alcohol is produced, handled and stored. Provision of foam system for firefighting have been made to control fire from the alcohol storage tank. And general maintenance and preventive care are being done on regular intervals for pipe lines and foam monitors to control fire in the plant and specially at alcohol storage area. Annexure 15.
xvii.	Risk assessment shall be carried to assess the fire and explosion risk due to storage of alcohol and report submitted to the Ministry and its Regional Office at Bangalore within six months.	Risk assessment will be carried out shortly.
xviii.	Occupational health surveillance program shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health center shall be strengthened and the regular medical test records of each employee shall be Maintained.	Occupational health surveillance is done once in a year. The first aid facilities also available at main gate and it will be strengthened. Beside this all the workers are covered under ESI. See Annexure – 7.
xix.	Dedicated parking facility for loading and unloading of material shall be provided in the factory premises. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.	Dedicated parking facility for loading and unloading of material is in the factory premises during operation. The Unit have developed and implemented good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
xx.	As proposed, green belt over 33% of the total project area shall be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	Green belt over 33% of the total project area have developed within plant as proposed. We are trying take good care of green belt at plant to maintain environment healthy. Selection of plant species have been as per the CPCB guidelines. See Annexure 5.

xxi.	All the commitment made regarding issues raised during the Public Hearing/consultation meeting held on 11 th September, 2013 shall be satisfactory implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Bhubaneswar.	All the Commitments given in public hearing have been implemented in phased manner. And a separate budget for implementing the same had been allocated and information submitted.
xxii.	At least 5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program shall be ensured accordingly in a time bound manner.	At least 5% of the total cost of the project had been earmarked towards the Enterprise Social Commitment based on locals need.
xxiii.	Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.	The Provision had made for the housing for the construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing were in the form of temporary structure and have removed after the completion of the project. All the construction wastes were managed to avoid impact on the surrounding environment.

B. GENERAL CONDITIONS:

Sr. No.	Conditions	Compliance Status
i.	The project authorities must strictly adhere to the stipulations made by the West Bengal State Pollution Control Board (WBSPCB), State Government and any other statutory authority.	The project authorities had strictly adhered to the stipulations made by the west Bengal state pollution board (WBCPB), state government and any other statutory authority during operation

ii.	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	There are no further expansion or modification carried out in the plant.
iii.	The locations of ambient air quality monitoring stations shall be decided in consultation with the West Bengal State Pollution Control Board (WBSPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	The location of ambient air quality monitoring stations have been already decided and monitoring have been done Periodically as attached.
iv.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 Dba (day time) and 70 dBA (night time).	We will ensure to install one station in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated shortly for Ambient air quality monitoring. The overall noise levels in and around the plant area have been kept well within the standards by providing acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The test report is attached as Annexure – 3 .
v.	The company shall harvest rainwater from the roof-top of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	The company have made collection of rainwater from the roof-top of the buildings to storm water drains through guard pond to use the same water for the process activities to conserve fresh water..
vi.	During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic wastewater and storm water drains.	Spillage is avoided and garland drains have been constructed to avoid mixing of accidental spillage with domestic wastewater and storm water drain during transfer of materials.
vii.	Usage of Personnel Protection Equipment by all employees/workers shall be ensured.	Personnel protective equipment has provided to all employees/workers.
viii.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemical shall be imparted.	Training has been imparted to all employees on safety and health aspects of chemicals handling. The routine periodical medical examinations for all employees have been undertaken on regular basis. Training to all employees on handling of chemical have been done.

ix.	The company shall also comply with all the environmental protection measures and safeguards proceed in the project report submitted to the Ministry. All the recommendations made in the EIA/EMP respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	The project proponent has implemented all the recommendation made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing.
x.	The company shall undertake CSR activities and all relevant measures for improving the socio-economic conditions of the surrounding area.	The company had undertaken CSR activities and all relevant measures for improving the socio-economic conditions of the surrounding area. And further also planned to do the activities for improvement of socio-economic condition. See Annexure 12.
xi.	The company shall undertake eco-developmental measures in the project area for the overall improvement of the environment.	The company has undertaken eco-development measures in order to improve the environment in the project area.
xii.	A separate Environmental Management Cell equipped with full fledge laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Environmental Management Cell have been set up to carry out the Environmental Management and Monitoring functions.
xiii.	The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forest as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.	Sufficient funds have been earmarked for recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forest as well as the State Government. The funds are earmarked for environment management/pollution control had not be diverted for any other purpose. The list attached of expenditure made for environment management.
xiv.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad /Municipal Corporation, Urban local Body the local NGO, if any, from who suggestions/representations, if any, were received while processing the proposal.	A copy of the clearance letter had sent by the project proponent to concerned Panchayat, Zila Parishad /Municipal Corporation, Urban local Body.

xv.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the West Bengal State Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	Six monthly compliance report on the status of compliance of the stipulated Environment Clearance conditions including results of monitored data is submitted to the MoEF and WBSPCB. A copy of Environmental Clearance and six monthly compliance status report have been posted on the website of the company i.e. www.alpinedistilleries.com
xvi.	The environmental statement for each financial year ending 31 st March in Form-V as in mandated shall be submitted to the Gujarat Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Bhopal Regional Officers of MoEF by e-mail.	The environmental statement for each financial year ending 31 st March in Form – V have already submitted and it is already put on the website of the company.
xvii	The project proponent shall inform the Public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	The project proponent had informed the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee. This had advertised in two local newspapers that are widely circulated in the region in local language of the locality concerned and a copy of the same had forwarded to the concerned Regional office of the ministry. The condition has been followed. See Annexure – 11.
xviii.	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the concerned authorities and the date of start of the project.	The project authorities have informed the Regional Office as well as the Ministry, the date of financial closure and final approval of the concerned authorities and the date of the state of the project. The copy of the Consent to Establish and Consent to Operate are enclosed herewith in Annexure – 8, 9 &10.

Annexure – 1



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Alpine Distilleries Pvt. Ltd.	Type of Industry	:	Distillery
Address	:	Mahanad, Polba, Hooghly	Sampling Date	:	20.02.2023
			Period of Analysis	:	21.02.2023 – 22.02.2023
			Date of Issue	:	24.02.2023
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample Condition	:	Sealed	Sample ID No.	:	ENV/446A/Feb./A/I
			Report No.	:	ENV/446A/Feb./TR(A)/I/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Boiler
Shape of Stack	:	Circular
		Height of Stack (mtr.) (from G. L.) : 42.0
Materials of Construction	:	Concrete
		Stack I.D. at sampling point (mtr.) : 1.25
Capacity	:	25 MT/hr. (Running – 20 MT/hr.)
		Height of sampling port (mtr.) (from G.L.) : 20.0
Emission Due to	:	Combustion of Coal
Fuel Used	:	Coal
		Permanent Platform & Ladder : Yes
Working Fuel Consumption	:	05 MT/hr.
Pollution Control Device	:	E.S.P

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 128.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 758.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 8.50	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 27226.47	N.A.
5.	Concentration of SO ₂ (at 6% O ₂)	mg/Nm ³	IS 11255 (Part 2) : 2019	: 490.50	N.A.
6.	Concentration of NO _x (at 6% O ₂)	mg/Nm ³	IS 11255 (Part 7) : 2017 / ASTM D 1608-98, Sec. 11 (Vol. 11.07) : 2017	: 210.80	N.A.
7.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	: 7.6	N.A.
8.	Concentration of O ₂ (by Orsat)	% (v/v)	EPA Method 3 : 2017	: 10.8	N.A.
9.	Concentration of CO	% (v/v)	IS 13270 : 2019	: <1.0	1.0
10.	a) Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part – 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	: 24.82	N.A.
	b) Concentration of Particulate Matter (at 6% O ₂)			: 36.50	50.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].

: N.A. means Not Available.

: Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. Sumit Chowdhury

Dr. SUMIT CHOWDHURY
Technical Manager

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Overseas : UAE ■ Qatar ■ Netherlands



TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Alpine Distilleries Pvt. Ltd.	Type of Industry	:	Distillery
Address	:	Mahanad, Polba, Hooghly	Sampling Date	:	20.02.2023
			Period of Analysis	:	21.02.2023 – 22.02.2023
			Date of Issue	:	24.02.2023
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample Condition	:	Sealed	Sample ID No.	:	ENV/446A/Feb./A/II
			Report No.	:	ENV/446A/Feb./TR(A)/II/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	D. G. – 1000 KVA (Acoustic Enclosure attached)
Shape of Stack	:	Circular
Materials of Construction	:	M.S.
Capacity	:	1000 KVA
Emission Due to	:	Combustion of H.S.D
Fuel Used	:	H.S.D
Working Fuel Consumption	:	100 liter./hr.
Pollution Control Device	:	Nil
		Height of Stack (mtr.) (from G. L.) : 7.62
		Stack I.D. at sampling point (mtr.) : 0.15
		Height of sampling port (mtr.) (from G.L.) : Final Discharging Point
		Permanent Platform & Ladder : No

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 260.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 758.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 16.50	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 584.26	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019	: 62.50	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	: 8.4	N.A.
7.	Concentration of CO	% (v/v)	IS 13270 : 2019	: <1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	: 60.10	150.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.
: During monitoring temporary ladder and platform were provided.
: Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. Sumit Chowdhury

Dr. SUMIT CHOWDHURY
Technical Manager

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Overseas : UAE ■ Qatar ■ Netherlands



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Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	:	Alpine Distilleries Pvt. Ltd.	Type of Industry	:	Distillery
Address	:	Mahanad, Polba, Hooghly	Sampling Date	:	20.02.2023 - 21.02.2023
			Period of Analysis	:	21.02.2023 - 22.02.2023
			Date of Issue	:	24.02.2023
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Ambient Air
Sample Condition	:	Sealed	Sample ID No.	:	ENV/446A/Feb./A/III
			Report No.	:	ENV/446A/Feb./TR(A)/III/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Near Accounts Office
2. Duration of Sampling : 24 hrs. (09:15 a.m. - 09:15 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 23.5
2. Average Relative Humidity (%) : 68.0
3. Barometric Pressure (mm of Hg) : 758.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	40.10	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	72.80	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	6.20	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	23.50	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.26	2.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.
: N.A. means Not Available.

Reviewed By :

Indrani Bhattacharya

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Authorised Signatory :

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TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	:	Alpine Distilleries Pvt. Ltd.				Type of Industry	:	Distillery			
Address	:	Mahanad, Polba, Hooghly				Sampling Date	:	20.02.2023 – 21.02.2023			
						Period of Analysis	:	21.02.2023 – 22.02.2023			
						Date of Issue	:	24.02.2023			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan				:	No	Type of Sample	:	Ambient Air
Sample Condition	:	Sealed	Sample ID No.	:	ENV/446A/Feb./A/III		Report No.	:	ENV/446A/Feb./TR(A)/III/22-23		

A] GENERAL INFORMATION

- Location of Sampling : Near Accounts Office
- Duration of Sampling : 24 hrs. (09:15 a.m. - 09:15 a.m.)

B] METEOROLOGICAL INFORMATION

- Average Temperature (°C) : 23.5
- Average Relative Humidity (%) : 68.0
- Barometric Pressure (mm of Hg) : 758.0
- Smell or Odour : No Remarkable Smell
- Weather Condition : Clear

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Hydrocarbon	mg/m ³	IS 5182 (Part XVII) 1979, RA 2003	2.40	N.A.

Remarks : N.A. means Not Available.
: Result relates only to the sample tested.

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TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	:	Alpine Distilleries Pvt. Ltd.				Type of Industry	:	Distillery			
Address	:	Mahanad, Polba, Hooghly				Sampling Date	:	20.02.2023 – 21.02.2023			
						Period of Analysis	:	21.02.2023 – 22.02.2023			
						Date of Issue	:	24.02.2023			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan				:	No	Type of Sample	:	Ambient Air
Sample Condition	:	Sealed	Sample ID No.	:	ENV/446A/Feb./A/IV		Report No.	:	ENV/446A/Feb./TR(A)/IV/22-23		

A] GENERAL INFORMATION

1. Location of Sampling : South – West Side of the Plant
2. Duration of Sampling : 24 hrs. (09:40 a.m. – 09:40 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 24.0
2. Average Relative Humidity (%) : 65.0
3. Barometric Pressure (mm of Hg) : 758.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L : 2006	38.50	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	73.80	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	6.20	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	25.0	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	0.18	2.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.
: Result relates only to the sample tested.

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TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	:	Alpine Distilleries Pvt. Ltd.				Type of Industry	:	Distillery			
Address	:	Mahanad, Polba, Hooghly				Sampling Date	:	20.02.2023 – 21.02.2023			
						Period of Analysis	:	21.02.2023 – 22.02.2023			
						Date of Issue	:	24.02.2023			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan				:	No	Type of Sample	:	Ambient Air
Sample Condition	:	Sealed	Sample ID No.	:	ENV/446A/Feb./A/IV		Report No.	:	ENV/446A/Feb./TR(A)/IV/22-23		

A] GENERAL INFORMATION

1. Location of Sampling : South – West Side of the Plant
2. Duration of Sampling : 24 hrs. (09:40 a.m. – 09:40 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 24.0
2. Average Relative Humidity (%) : 65.0
3. Barometric Pressure (mm of Hg) : 758.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Hydrocarbon	mg/m ³	IS 5182 (Part XVII) 1979, RA 2003	1.60	N.A.

Remarks : N.A. means Not Available.
: Result relates only to the sample tested.

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TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	:	Alpine Distilleries Pvt. Ltd.				Type of Industry		:	Distillery		
Address	:	Mahanad, Polba, Hooghly				Sampling Date		:	20.02.2023 – 21.02.2023		
						Period of Analysis		:	21.02.2023 – 22.02.2023		
						Date of Issue		:	24.02.2023		
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan			:	No	Type of Sample		:	Ambient Air
Sample Condition	:	Sealed	Sample ID No.	:	ENV/446A/Feb./A/V	Report No.	:	ENV/446A/Feb./TR(A)/V/22-23			

A] GENERAL INFORMATION

- Location of Sampling : South - East Side of the Plant
- Duration of Sampling : 24 hrs. (10:10 a.m. - 10:10 a.m.)

B] METEOROLOGICAL INFORMATION

- Average Temperature (°C) : 24.5
- Average Relative Humidity (%) : 63.0
- Barometric Pressure (mm of Hg) : 758.0
- Smell or Odour : No Remarkable Smell
- Weather Condition : Clear

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L : 2006	38.20	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	71.50	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	5.20	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	23.50	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	0.16	2.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.
: Result relates only to the sample tested.

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TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	:	Alpine Distilleries Pvt. Ltd.				Type of Industry	:	Distillery			
Address	:	Mahanad, Polba, Hooghly				Sampling Date	:	20.02.2023 – 21.02.2023			
						Period of Analysis	:	21.02.2023 – 22.02.2023			
						Date of Issue	:	24.02.2023			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan				:	No	Type of Sample	:	Ambient Air
Sample Condition	:	Sealed	Sample ID No.	:	ENV/446A/Feb./A/V		Report No.	:	ENV/446A/Feb./TR(A)/V/22-23		

A] GENERAL INFORMATION

1. Location of Sampling : South - East Side of the Plant
2. Duration of Sampling : 24 hrs. (10:00 a.m. - 10:00 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 24.5
2. Average Relative Humidity (%) : 63.0
3. Barometric Pressure (mm of Hg) : 758.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Hydrocarbon	mg/m ³	IS 5182 (Part XVII) 1979, RA 2003	1.20	N.A.

Remarks : N.A. means Not Available.
: Result relates only to the sample tested.

Reviewed By :

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TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	Alpine Distilleries Pvt. Ltd.	Type of Industry	:	Distillery
Address	:	Mahanad, Polba, Hooghly	Sampling Date	:	21.02.2023
			Period of Analysis	:	21.02.2023 – 22.02.2023
			Date of Issue	:	24.02.2023
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Work Zone Air
Sample Condition	:	Sealed	Sample ID No.	:	ENV/446A/Feb./A/VI
			Report No.	:	ENV/446A/Feb./TR(A)/VI/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Plant
2. Duration of Sampling : 08 hrs. (10:10 a.m. – 06:10 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 24.0
2. Average Relative Humidity (%) : 65.0
3. Barometric Pressure (mm of Hg) : 758.0
4. Smell or Odour : No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of SPM	µg/m ³	IS 5182 (Part 4) : 2019	162.50	5000.0

Remarks : Limit as per the Factory Act - 1948.
: Result relates only the sample tested.

Reviewed By :

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TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	Alpine Distilleries Pvt. Ltd.				Type of Industry	:	Distillery			
Address	:	Mahanad, Polba, Hooghly				Sampling Date	:	21.02.2023			
						Period of Analysis	:	21.02.2023 – 22.02.2023			
						Date of Issue	:	24.02.2023			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan			:	No	Type of Sample	:	Work Zone Air	
Sample Condition	:	Sealed	Sample ID No.	:	ENV/446A/Feb./A/VI	Report No.	:	ENV/446A/Feb./TR(A)/VI/22-23			

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Plant
2. Duration of Sampling : 08 hrs. (10:10 a.m. – 06:10 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 24.0
2. Average Relative Humidity (%) : 65.0
3. Barometric Pressure (mm of Hg) : 758.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	5.60	N.A.
2.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	26.50	N.A.

Remarks : N.A. means Not Available.

Reviewed By :

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TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	Alpine Distilleries Pvt. Ltd.	Type of Industry	:	Distillery
Address	:	Mahanad, Polba, Hooghly	Sampling Date	:	21.02.2023
			Period of Analysis	:	21.02.2023 – 22.02.2023
			Date of Issue	:	24.02.2023
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Work Zone Air
Sample Condition	:	Sealed	Sample ID No.	:	ENV/446A/Feb./A/VII
			Report No.	:	ENV/446A/Feb./TR(A)/VII/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Plant Shed
2. Duration of Sampling : 08 hrs. (10:30 a.m. – 06:30 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 26.0
2. Average Relative Humidity (%) : 60.0
3. Barometric Pressure (mm of Hg) : 758.0
4. Smell or Odour : No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of SPM	µg/m ³	IS 5182 (Part 4) : 2019	210.0	5000.0

Remarks : Limit as per the Factory Act - 1948.
: Result relates only the sample tested.

Reviewed By :

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TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	Alpine Distilleries Pvt. Ltd.				Type of Industry		:	Distillery		
Address	:	Mahanad, Polba, Hooghly				Sampling Date		:	21.02.2023		
						Period of Analysis		:	21.02.2023 – 22.02.2023		
						Date of Issue		:	24.02.2023		
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan			:	No	Type of Sample		:	Work Zone Air
Sample Condition	:	Sealed	Sample ID No.	:	ENV/446A/Feb./A/VII	Report No.	:	ENV/446A/Feb./TR(A)/VII/22-23			

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Plant Shed
2. Duration of Sampling : 08 hrs. (10:30 a.m. – 06:30 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 26.0
2. Average Relative Humidity (%) : 60.0
3. Barometric Pressure (mm of Hg) : 758.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	7.10	N.A.
2.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	28.50	N.A.

Remarks : N.A. means Not Available.

Reviewed By :

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TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	Alpine Distilleries Pvt. Ltd.				Type of Industry		:	Distillery		
Address	:	Mahanad, Polba, Hooghly				Sampling Date		:	21.02.2023		
						Period of Analysis		:	21.02.2023 – 22.02.2023		
						Date of Issue		:	24.02.2023		
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan			:	No	Type of Sample		:	Work Zone Air
Sample Condition	:	Sealed	Sample ID No.	:	ENV/446A/Feb./A/VIII	Report No.	:	ENV/446A/Feb./TR(A)/VIII/22-23			

A] GENERAL INFORMATION

1. Location of Sampling : Near Boiler House
2. Duration of Sampling : 08 hrs. (10:10 a.m. – 06:10 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 26.5
2. Average Relative Humidity (%) : 62.0
3. Barometric Pressure (mm of Hg) : 758.0
4. Smell or Odour : No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT	LIMIT
1.	Concentration of SPM	µg/m ³	IS 5182 (Part 4) : 2019	280.0	5000.0

Remarks : Limit as per the Factory Act - 1948.
: Result relates only the sample tested.

Reviewed By :

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TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	:	Alpine Distilleries Pvt. Ltd.				Type of Industry	:	Distillery			
Address	:	Mahanad, Polba, Hooghly				Sampling Date	:	21.02.2023			
						Period of Analysis	:	21.02.2023 – 22.02.2023			
						Date of Issue	:	24.02.2023			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan				:	No	Type of Sample	:	Work Zone Air
Sample Condition	:	Sealed	Sample ID No.	:	ENV/446A/Feb./A/VIII	Report No.	:	ENV/446A/Feb./TR(A)/VIII/22-23			

A] GENERAL INFORMATION

1. Location of Sampling : Near Boiler House
2. Duration of Sampling : 08 hrs. (10:10 a.m. – 06:10 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 26.5
2. Average Relative Humidity (%) : 62.0
3. Barometric Pressure (mm of Hg) : 758.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	6.90	N.A.
2.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	28.50	N.A.

Remarks : N.A. means Not Available.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

Dr. Sumit Chowdhury

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Annexure – 2



ENVIROCHECK

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FORMAT NO. ENV/FM/40

TEST REPORT

Name of the Industry	:	Alpine Distilleries Pvt. Ltd.	Type of Industry	:	Distillery
Address	:	Mahanad, Polba, Hooghly	Sampling Date	:	20.03.2023
			Period of Analysis	:	20.03.2023 - 25.03.2023
			Date of Issue	:	27.03.2023
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Ground Water
Location	:	Borewell - 1	Sample Condition	:	Sealed
			Report No.	:	ENV/446V/Feb./TR(W)/M(i)/22-23

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH	4500 H+B APHA 23 rd Edition, 2017	-	6.86
2.	Total Dissolved Solids	APHA 23 rd Ed., 2450 C : 2017	mg/l	680.0
3.	Chloride	APHA 23 rd Ed., 4500 Cl-B/D : 2017	mg/l	52.80
4.	Chemical Oxygen Demand	5200 B/C/D APHA 23 rd Edition, 2017	mg/l	<5.0
5.	Biochemical Oxygen Demand for 5 days at 20°C	5210 B APHA 23 rd Edition, 2017	mg/l	<2.0
6.	Sulfate	APHA 23 rd Ed., 4500-SO ₄ ²⁻ E : 2017	mg/l	48.50

Remarks : Result relates only to the sample tested.

Reviewed By :

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Dy. Technical Manager, Chemical

Authorised Signatory :

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ENVIROCHECK

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FORMAT NO. ENV/FM/40

TEST REPORT

Name of the Industry	:	Alpine Distilleries Pvt. Ltd.	Type of Industry	:	Distillery
Address	:	Mahanad, Polba, Hooghly	Sampling Date	:	20.03.2023
			Period of Analysis	:	20.03.2023 – 25.03.2023
			Date of Issue	:	27.03.2023
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Ground Water
Location	:	Borewell – 2	Sample Condition	:	Sealed
			Report No.	:	ENV/446V/Feb./TR(W)/M(ii)/22-23

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH	4500 H+B APHA 23 rd Edition, 2017	-	6.80
2.	Total Dissolved Solids	APHA 23 rd Ed., 2450 C : 2017	mg/l	620.0
3.	Chloride	APHA 23 rd Ed., 4500 Cl-B/D : 2017	mg/l	42.50
4.	Chemical Oxygen Demand	5200 B/C/D APHA 23 rd Edition, 2017	mg/l	<5.0
5.	Biochemical Oxygen Demand for 5 days at 20°C	5210 B APHA 23 rd Edition, 2017	mg/l	<2.0
6.	Sulfate	APHA 23 rd Ed., 4500-SO ₄ ²⁻ E : 2017	mg/l	36.50

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharya

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Dy. Technical Manager, Chemical

Authorised Signatory :

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Overseas : UAE ■ Qatar ■ Netherlands



ENVIROCHECK

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FORMAT NO. ENV/FM/40

TEST REPORT

Name of the Industry	:	Alpine Distilleries Pvt. Ltd.	Type of Industry	:	Distillery
Address	:	Mahanad, Polba, Hooghly	Sampling Date	:	20.03.2023
			Period of Analysis	:	20.03.2023 – 25.03.2023
			Date of Issue	:	27.03.2023
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Ground Water
Location	:	Borewell – 3	Sample Condition	:	Sealed
			Report No.	:	ENV/446V/Feb./TR(W)/M(iii)/22-23

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH	4500 H+B APHA 23 rd Edition, 2017	-	6.82
2.	Total Dissolved Solids	APHA 23 rd Ed., 2450 C : 2017	mg/l	620.0
3.	Chloride	APHA 23 rd Ed., 4500 Cl-B/D : 2017	mg/l	41.50
4.	Chemical Oxygen Demand	5200 B/C/D APHA 23 rd Edition, 2017	mg/l	<5.0
5.	Biochemical Oxygen Demand for 5 days at 20°C	5210 B APHA 23 rd Edition, 2017	mg/l	<2.0
6.	Sulfate	APHA 23 rd Ed., 4500-SO ₄ ²⁻ E : 2017	mg/l	36.50

Remarks : Result relates only to the sample tested.

Reviewed By :

Indrani Bhattacharya

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Overseas : UAE ■ Qatar ■ Netherlands



ENVIROCHECK

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FORMAT NO. ENV/FM/40

TEST REPORT

Name of the Industry	:	Alpine Distilleries Pvt. Ltd.	Type of Industry	:	Distillery
Address	:	Mahanad, Polba, Hooghly	Sampling Date	:	20.03.2023
			Period of Analysis	:	20.03.2023 - 25.03.2023
			Date of Issue	:	27.03.2023
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Ground Water
Location	:	Mahanad Village (East Side)	Sample Condition	:	Sealed
			Report No.	:	ENV/446V/Feb./TR(W)/M(iv)/22-23

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH	4500 H+B APHA 23 rd Edition, 2017	-	6.80
2.	Total Dissolved Solids	APHA 23 rd Ed., 2450 C : 2017	mg/l	710.0
3.	Chloride	APHA 23 rd Ed., 4500 Cl-B/D : 2017	mg/l	57.17
4.	Chemical Oxygen Demand	5200 B/C/D APHA 23 rd Edition, 2017	mg/l	<5.0
5.	Biochemical Oxygen Demand for 5 days at 20°C	5210 B APHA 23 rd Edition, 2017	mg/l	<2.0
6.	Sulfate	APHA 23 rd Ed., 4500-SO ₄ ²⁻ E : 2017	mg/l	52.80

Remarks : Result relates only to the sample tested.

Reviewed By :

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FORMAT NO. ENV/FM/40

TEST REPORT

Name of the Industry	:	Alpine Distilleries Pvt. Ltd.	Type of Industry	:	Distillery
Address	:	Mahanad, Polba, Hooghly	Sampling Date	:	20.03.2023
			Period of Analysis	:	20.03.2023 - 25.03.2023
			Date of Issue	:	27.03.2023
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Ground Water
Location	:	Mahanad Village (North Side)	Sample Condition	:	Sealed
			Report No.	:	ENV/446V/Feb./TR(W)/M(v)/22-23

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH	4500 H+B APHA 23 rd Edition, 2017	-	6.90
2.	Total Dissolved Solids	APHA 23 rd Ed., 2450 C : 2017	mg/l	650.0
3.	Chloride	APHA 23 rd Ed., 4500 Cl-B/D : 2017	mg/l	49.91
4.	Chemical Oxygen Demand	5200 B/C/D APHA 23 rd Edition, 2017	mg/l	<5.0
5.	Biochemical Oxygen Demand for 5 days at 20°C	5210 B APHA 23 rd Edition, 2017	mg/l	<2.0
6.	Sulfate	APHA 23 rd Ed., 4500-SO ₄ ²⁻ E : 2017	mg/l	42.50

Remarks : Result relates only to the sample tested.

Reviewed By :

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Dy. Technical Manager, Chemical

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FORMAT NO. ENV/FM/40

TEST REPORT

Name of the Industry	:	Alpine Distilleries Pvt. Ltd.	Type of Industry	:	Distillery
Address	:	Mahanad, Polba, Hooghly	Sampling Date	:	20.03.2023
			Period of Analysis	:	20.03.2023 - 25.03.2023
			Date of Issue	:	27.03.2023
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Ground Water
Location	:	Mahanad Village (West Side)	Sample Condition	:	Sealed
			Report No.	:	ENV/446V/Feb./TR(W)/M(vi)/22-23

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH	4500 H+B APHA 23 rd Edition, 2017	-	6.80
2.	Total Dissolved Solids	APHA 23 rd Ed., 2450 C : 2017	mg/l	670.0
3.	Chloride	APHA 23 rd Ed., 4500 Cl-B/D : 2017	mg/l	50.82
4.	Chemical Oxygen Demand	5200 B/C/D APHA 23 rd Edition, 2017	mg/l	<5.0
5.	Biochemical Oxygen Demand for 5 days at 20°C	5210 B APHA 23 rd Edition, 2017	mg/l	<2.0
6.	Sulfate	APHA 23 rd Ed., 4500-SO ₄ ²⁻ E : 2017	mg/l	41.80

Remarks : Result relates only to the sample tested.

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Authorised Signatory :

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Annexure – 3



ENVIROCHECK

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FORMAT NO. ENV/FM/53

TEST REPORT

Name of Industry / Company / Factory / Office	: Alpine Distilleries Pvt. Ltd.		
Address	: Village & Post – Mahanad, P.S. Polba, District - Hooghly, Pin - 712149		
Type of Industry	: Distillery		
Sampling Plan & Procedure	: ENV/SOP/02		
Deviation from the Sampling Method & Plan	: No		
Type of Sample	: Noise Level Study		
Sample ID	: ENV/446B/M/N	Report ID	: ENV/446B/M/(TR)N/22-23
Date of Study	: 20/02/2023	Reporting Date	: 24/02/2023
Method No.	: IS 15575 (Part 2), 2022	Time of Duration of Noise	: 20 Minutes
Sample Monitored by	: Mr. Sujoy Dasgupta	Height from Ground Level	: 4 Feet.

RESULT OF NOISE LEVEL STUDY

Sl. No.	Location Name	dB (A) - (Noise Data)										Time (Hours)	Min dB (A)	Max dB (A)	L _{eq} dB (A)	Limit in Leq dB(A)
1.	South East Side of the Plant	60.2	61.5	63.8	62.9	60.4	61.6	63.7	62.5	60.7	62.2	1:00 – 1:20 P.M (Day Time)	60.2	63.8	62.12	A. Industrial Area (Day Time – 75.0) (Night Time – 70.0)
2.	South East Side of the Plant	50.5	51.5	53.8	60.4	54.6	53.7	52.6	53.5	57.8	58.2	10:00 – 10:20 P.M (Night Time)	50.5	60.4	55.78	
3.	South West Side of the Plant	62.5	63.1	60.5	62.9	61.6	60.8	64.5	65.3	62.7	66.1	1:30 – 1:50 P.M (Day Time)	60.5	66.1	63.36	B. Commercial Area (Day Time – 65.0) (Night Time – 55.0)
4.	South West Side of the Plant	54.6	52.1	50.5	56.9	55.3	57.7	56.8	55.1	54.3	53.9	10:30 – 10:50 P.M (Night Time)	50.5	57.7	55.18	
5.	Near Accounts Office	61.2	67.6	65.5	64.9	66.2	63.8	62.7	63.5	63.9	62.8	2:00 – 2:20 P.M (Day Time)	61.2	67.6	64.58	C. Residential Area (Day Time – 55.0) (Night Time – 45.0)
6.	Near Accounts Office	49.9	45.3	50.1	46.7	48.3	42.5	41.6	43.8	44.6	42.4	11:00 – 11:20 P.M (Night Time)	41.6	50.1	46.54	
7.	Centre Point of the Plant	62.1	68.5	67.6	63.9	64.6	65.6	66.3	62.8	60.6	64.4	2:30 – 2:50 P.M (Day Time)	60.6	68.5	65.25	D. Silent Zone (Day Time – 50.0) (Night Time – 40.0)
8.	Centre Point of the Plant	50.6	51.3	50.9	52.5	53.1	49.9	49.2	51.1	52.8	52.6	11:30 – 11:50 P.M (Night Time)	49.2	53.1	51.57	

> End of Report <

** Mean of L _{eq} - Equivalent to Sound Energy		** Central Pollution Control Board, Ministry of Environment & Forests Government of India & Department of Environment, Government of West Bengal)	
		**Day Time is reckoned in between	**Night Time is reckoned in between
		6:00 A.M & 10:00 P.M	10:00 P.M & 6:00 A.M
PERMISSIBLE NOISE EXPOSURE FOR INDUSTRIAL WORKERS / Source : The Noise Pollution (Regulation and Control) Rules, 2000			
Hours	Limit in dB(A)		
8	90		
4	93		
2	96		
1	99		
1/2	102		
1/4	105		
1/8	108		
1/16	111		
1/32	114		
(2 minutes or less)	-		

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

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Annexure – 4

SUMMARY OF MONITORING REPORTS

1. Ambient Air Quality Monitoring

Date of Sampling: 20.02.2023- 21.02.2023

Parameters	Near Accounts Office	South – East Side of the Plant	South – West Side of the Plant
PM _{2.5} (µg/m ³)	40.10	38.20	38.50
PM ₁₀ (µg/m ³)	72.80	71.50	73.80
SO ₂ (µg/m ³)	6.20	5.20	6.20
NO ₂ (µg/m ³)	23.50	23.50	25.0
CO (µg/m ³)	0.26	0.16	0.18
Hydrocarbon (mg/m ³)	2.40	1.20	1.60

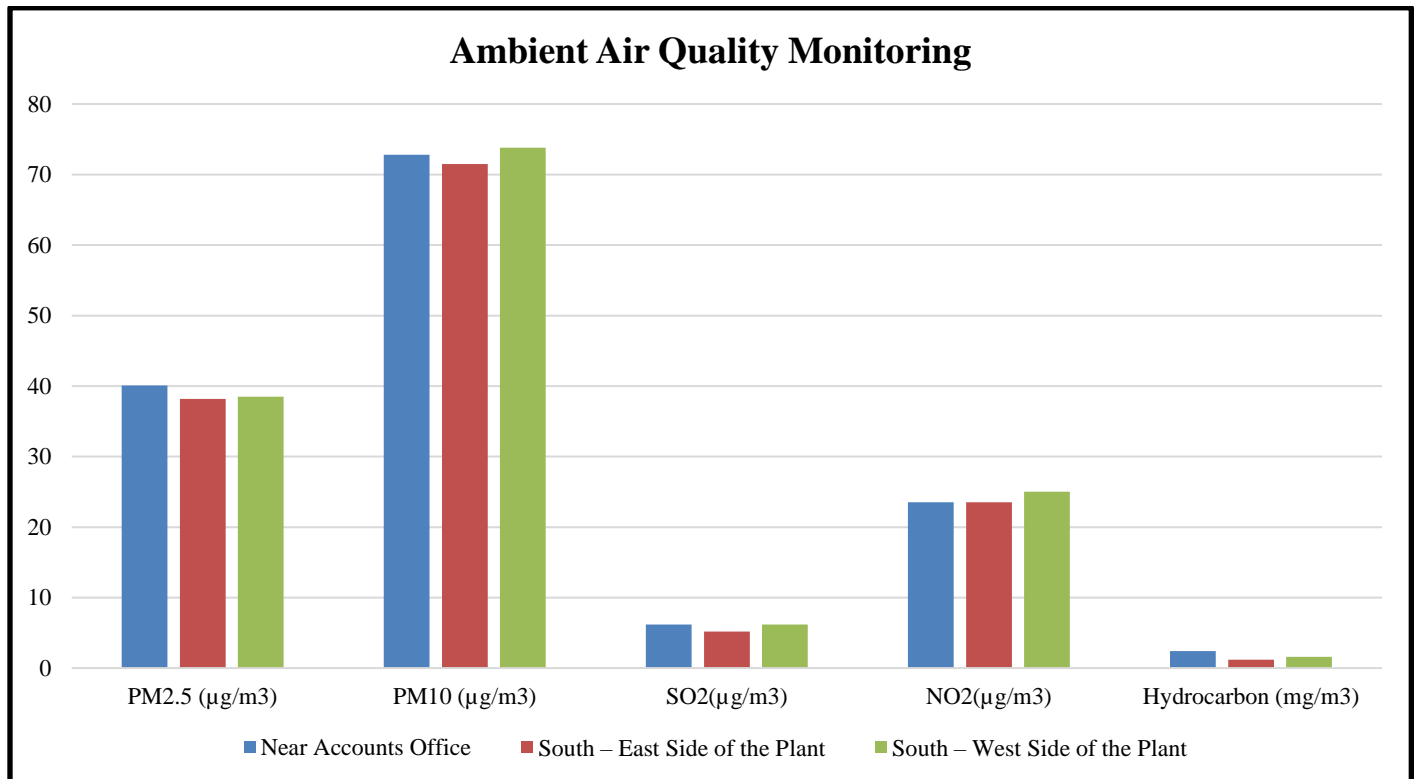


Figure 1: Graphical Representation of Ambient Air Quality Monitoring

2. Work Zone Air Quality Monitoring

Date of Sampling: 21.02.2023

Parameters	Inside the Plant	Inside the Plant Shed	Near Boiler House (Inside Shed)
SPM($\mu\text{g}/\text{m}^3$)	162.50	210.0	280.0
SO ₂ ($\mu\text{g}/\text{m}^3$)	5.60	7.10	6.90
NO ₂ ($\mu\text{g}/\text{m}^3$)	26.50	28.50	28.50

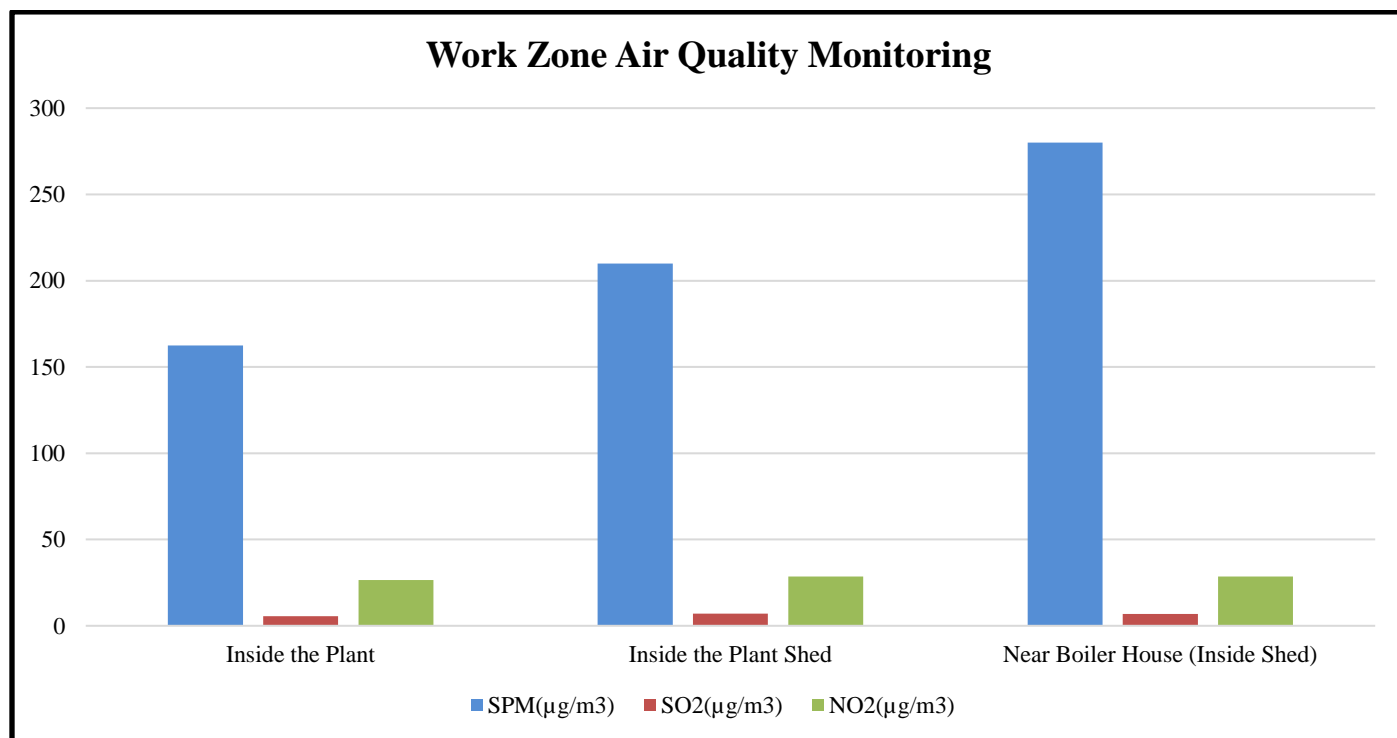


Figure 2: Graphical Representation of Work Zone Air Quality Monitoring

3. Stack Gas Analysis:

Date of Sampling: 20.02.2023

Location Name Parameters	Boiler	D.G. – 1000 KVA
PM (mg/Nm ³)	24.82	60.10

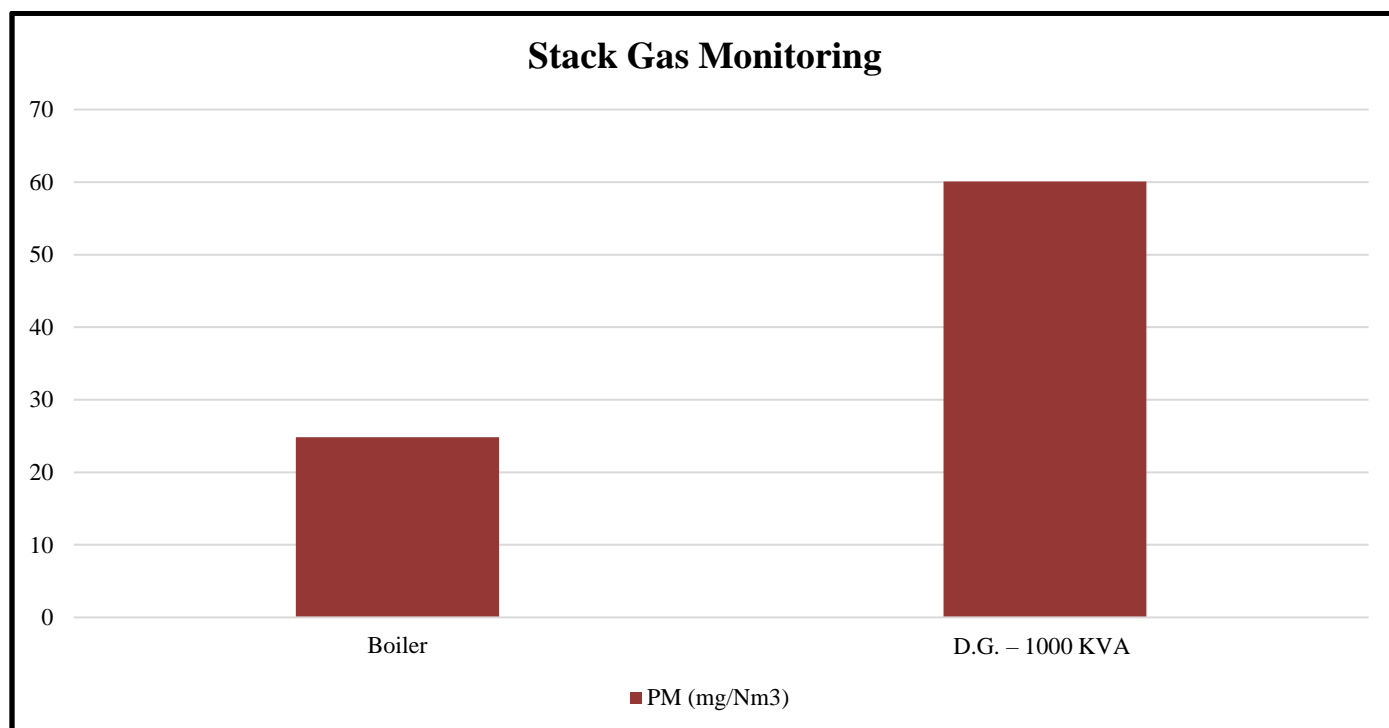


Figure 3: Graphical Representation of Stack Gas Monitoring

3. Effluent Water Quality Monitoring

Date of Sampling: 20.02.2023

a. Domestic Effluent:

Parameters	Results	Limit
pH value	6.90	5.5-9.0
Total Suspended Solids	26.0	100.0
Oil & Grease	4.0	10.0
Chemical Oxygen Demand	70.0	250.0
BOD [5 days, 20°C]	25.0	30.0

ii.ETP Outlet:

Parameters	Results	Limit
pH value	6.84	5.5-9.0
Total Suspended Solids	20.0	100.0
Oil & Grease	3.0	10.0
Chemical Oxygen Demand	60.0	250.0
BOD [3 days, 27°C]	21.0	30.0

4. Ground Water Quality Monitoring

Location: Borewell-1

Date of Sampling: 20.03.2023

Parameters	Unit	Results
pH	-	6.86
Total Dissolved Solids	mg/l	680.0
Chloride	mg/l	52.80
Chemical Oxygen Demand	mg/l	<5.0
Biochemical Oxygen Demand for 5 days at 20 ⁰ C	mg/l	<2.0
Sulfate	mg/l	48.50

Location: Borewell-2

Date of Sampling: 20.03.2023

Parameters	Unit	Results
pH	-	6.80
Total Dissolved Solids	mg/l	620.0
Chloride	mg/l	42.50
Chemical Oxygen Demand	mg/l	<5.0
Biochemical Oxygen Demand for 5 days at 20 ⁰ C	mg/l	<2.0
Sulfate	mg/l	36.50

Location: Borewell- 3

Date of Sampling: 20.03.2023

Parameters	Unit	Results
pH	-	6.82
Total Dissolved Solids	mg/l	620.0
Chloride	mg/l	41.50
Chemical Oxygen Demand	mg/l	<5.0
Biochemical Oxygen Demand for 5 days at 20 ⁰ C	mg/l	<2.0
Sulfate	mg/l	36.50

Location: Mahanad Village (East Side)

Date of Sampling: 20.03.2023

Parameters	Unit	Results
pH	-	6.80
Total Dissolved Solids	mg/l	710.0
Chloride	mg/l	57.17
Chemical Oxygen Demand	mg/l	<5.0
Biochemical Oxygen Demand for 5 days at 20 ⁰ C	mg/l	<2.0
Sulfate	mg/l	52.80

Location: Mahanad Village (North Side)

Date of Sampling: 20.03.2023

Parameters	Unit	Results
pH	-	6.90
Total Dissolved Solids	mg/l	650.0
Chloride	mg/l	49.91
Chemical Oxygen Demand	mg/l	<5.0
Biochemical Oxygen Demand for 5 days at 20°C	mg/l	<2.0
Sulfate	mg/l	42.50

Location: Mahanad Village (West Side)

Date of Sampling: 20.03.2023

Parameters	Unit	Results
pH	-	6.80
Total Dissolved Solids	mg/l	670.0
Chloride	mg/l	50.82
Chemical Oxygen Demand	mg/l	<5.0
Biochemical Oxygen Demand for 5 days at 20°C	mg/l	<2.0
Sulfate	mg/l	41.80

5. Ambient Noise Monitoring

Date of Sampling: 20.02.2023

DAY TIME		
Location	Results dB(A)	Limits dB(A)
South East side of the Plant	62.12	75
South West side of the Plant	63.36	75
Near Accounts Office	64.58	75
Center point of Plant	65.25	75

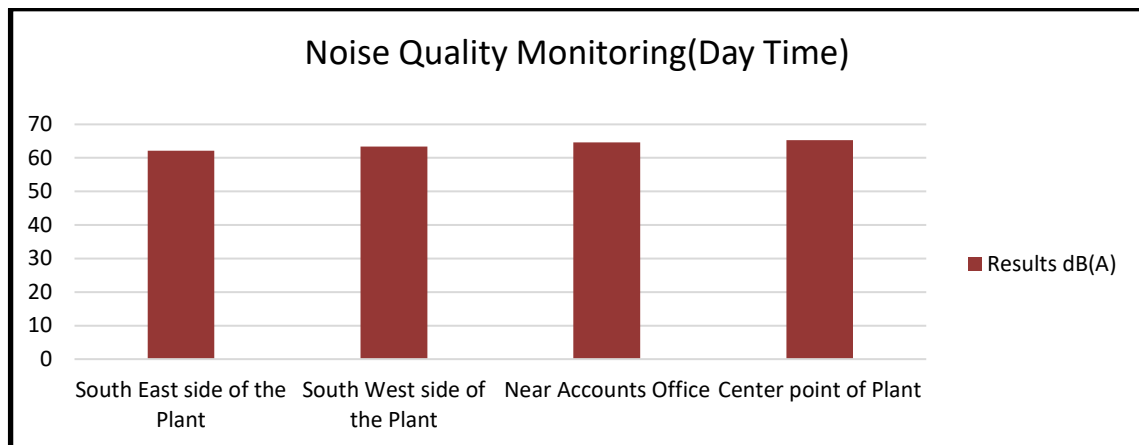


Figure 4: Graphical Representation of Noise Quality Monitoring (Day Time)

NIGHT TIME		
Location	Results dB(A)	Limits dB(A)
South East side of the Plant	55.78	70
South West side of the Plant	55.18	70
Near Accounts Office	46.54	70
Center point of Plant	51.57	70

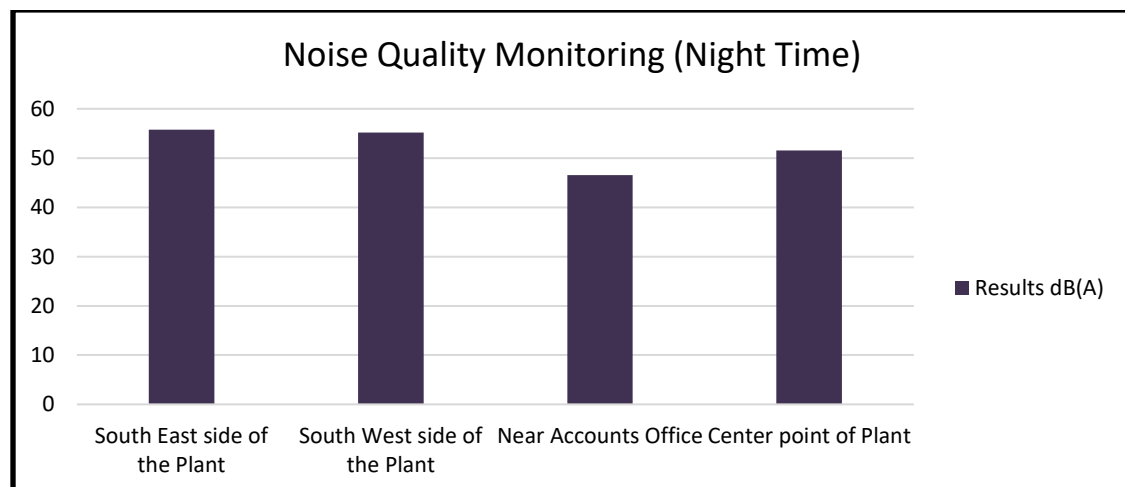


Figure 5: Graphical Representation of Noise Quality Monitoring (Night Time)

Annexure – 5

PICTORIAL EVIDENCE

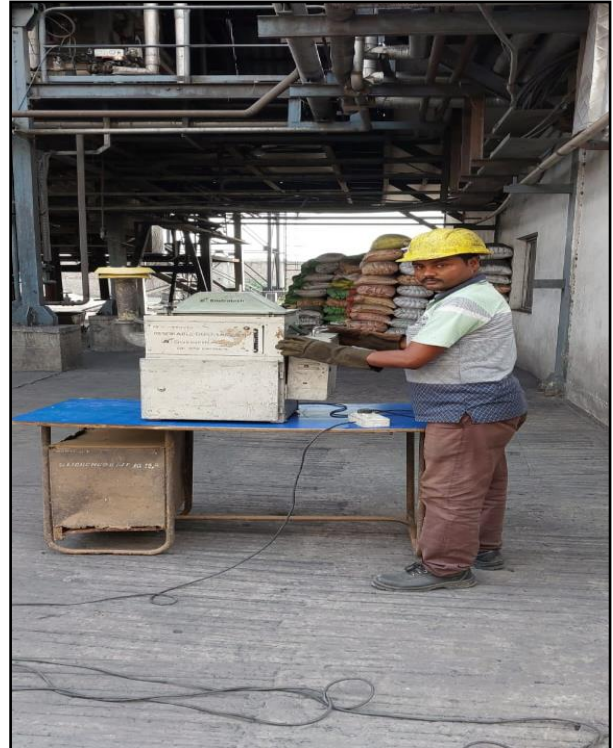
Ambient Air Quality Monitoring-



Stack Gas Monitoring-



Work Zone Air Quality Monitoring-



Noise Quality Monitoring-



Water Quality Monitoring-



Green Belt in and around the premise-



Annexure – 6

FORM 4

[See Rules 9(3) and 10(5)]

000891

(EMBLEM OR HOLOGRAM OF THE CONCERNED AUTHORITY)

PERMIT FOR SINKING OF NEW WELL[U/S 7(3)(b) / 7(4)(b) / 7(5)(a) of the West Bengal Ground Water Resources
(Management, Control and Regulation) Act 2005.]PERMIT NO. 714001000000011105TSE

1. (a) Name of the applicant (user)
- (b) Son / Daughter of
- (c) Address of the applicant
- (d) Category of farmer (Please tick)
(in case of irrigation well)
- (e) Serial No. of application Form
and date of submission
- (f) Specimen signature of the user

: Shri/Smt. Alpine Distilleries Pvt.
: N.A. hda
: Vill : Mahanad P.O. Mahanad
: Small Farmer / Marginal Farmer / Others

: 024, 29.10.10.Smushirja

2. Location particulars---

- (a) District
- (b) Block, Mouza, J. L. No., Plot No.
- (c) Municipality / Corporation
Ward No. / Borough No., Holding No.

: Hooquly
: Polba-dadpur, Nagarpura
: 1, 111

3. Particulars of the proposed well and pumping device---

- (a) Type of the well
- (b) Approx. depth of the well (m)
- (c) Purpose of the well
- (d) Assembly size (for tube well)
- (e) Approx. strainer length (for tube well)
- (f) Diameter (for dug well)
- (g) Type of pump to be used
- (h) H. P. of the pump
- (i) Operational device
- (j) Rate of withdrawal (m³/hr.)
- (k) Maximum allowable running hours per day

: Tube well
: 140 (M)
: Irrigation Industry
: 150 mm. X 50 mm.
: m.
: m.
: Submersible
: 3.5
: Electric
: 50
: 4

This permit authorizes the owner applicant (user) to sink a well in the location specified at S1. (2) for extraction of ground water at a rate not exceeding that as shown at S1. (3) (j) and for running hours / day as shown at S1. (3) (K), and is valid subject to the observance of the conditions stated overleaf.

Place : ChinsurahDate : 22.12.10

Member Secretary
Municipal District Level
Office
SEAL
Chinsurah

Chandana D.
Signature of the Issuing Authority
and Designation.

Conditions :

- (1) In case of any change of ownership of the proposed well, fresh registration has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at S1. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this permit.
- (3) In case, any of the particulars / information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- (4) Any other condition imposed by the concerned Authority.

Member Secretary
Municipal District Level
Office
SEAL
Chinsurah

CERTIFIED
TRUE COPY

B.C.L./4/50,000/06

For ALPINE DISTILLERIES PVT. LTD.

Smushirja
Director

Annexure – 7



ESIC
Employees' State Insurance Corporation

Insurance

User Login: 41410508050011002

Wednesday, May 10, 2023 5:43:03
PM



[Monthly Contribution](#) > [Online Challan Status](#)

Transaction Details

* Required Fields

Transaction status:	Transaction Completed Successfully
Employer's Code No:	41410508050011002
Employer's Name:	ALPINE DISILLERIES PVT LTD
Challan Period:	Dec-2022
Challan Number :	04123103397210
Challan Created Date	23-01-2023 22:22:20
Challan Submitted Date	28-01-2023 15:30:36
Amount Paid:	70809.00
Transaction Number:	CPACKTRMC0

Print

Close



ESIC
Employees' State Insurance Corporation

Insurance

User Login: 41410508050011002

Wednesday, May 10, 2023 5:44:33 PM



[Monthly Contribution](#) > [Online Challan Status](#)

Transaction Details

* Required Fields

Transaction status:	Transaction Completed Successfully
Employer's Code No:	41410508050011002
Employer's Name:	ALPINE DISILLERIES PVT LTD
Challan Period:	Jan-2023
Challan Number :	04123105992932
Challan Created Date	14-02-2023 00:34:46
Challan Submitted Date	15-02-2023 11:41:36
Amount Paid:	55279.00
Transaction Number:	CHL7649706

Print

Close



ESIC
Employees' State Insurance Corporation

Insurance

User Login: 41410508050011002

Wednesday, May 10, 2023 5:45:54
PM



[Monthly Contribution](#) > [Online Challan Status](#)

Transaction Details

* Required Fields

Transaction status:	Transaction Completed Successfully
Employer's Code No:	41410508050011002
Employer's Name:	ALPINE DISILLERIES PVT LTD
Challan Period:	Feb-2023
Challan Number :	04123108627873
Challan Created Date	10-03-2023 12:31:26
Challan Submitted Date	31-03-2023 18:39:08
Amount Paid:	62765.00
Transaction Number:	CHM1809653

Print

Close



ESIC
Employees' State Insurance Corporation

Insurance

User Login: 41410508050011002

Wednesday, May 10, 2023 5:46:40 PM



[Monthly Contribution](#) > [Online Challan Status](#)

Transaction Details

* Required Fields

Transaction status:	Transaction Completed Successfully
Employer's Code No:	41410508050011002
Employer's Name:	ALPINE DISILLERIES PVT LTD
Challan Period:	Mar-2023
Challan Number :	04123113705078
Challan Created Date	14-04-2023 13:12:02
Challan Submitted Date	21-04-2023 12:45:51
Amount Paid:	61469.00
Transaction Number:	CHM3683390

Print

Close

Annexure – 8

NOC No 159725

WEST BENGAL POLLUTION CONTROL BOARD

Panbesh Bhawan
10A, Block - LA, Sector III, Bidhannagar
Kolkata - 700 105



Memo No. 380/hg-no-o/19/0133

Dated 03.06.19

From:
Member Secretary,
West Bengal Pollution Control Board



To: Alpine Distilleries (P) Ltd.
OT - 231, Salt Lake, Sec.- II,
P.O.- Sech Bhaban, P. Bidhannagar (East),
Kolkata - 700 091.

Sub: Consent to Establish (NOC) from Environmental Point of View

Ref: Your letter No. ... dated 24.04.2019

WEST BENGAL

Dear Sirs,

In response to the application for Consent to Establish (NOC) for proposed Unit of M/s

Alpine Distilleries (P) Ltd.

for manufacturing/storing/installation of IMR (Indian Made Foreign Liquor) 1,800 KL/month
and installation of 2nos.D.G.Set of capacity 15 KVA & 250 KVA (both Green DG)

at Plot/Dag no: 254, 259, 260, 262, 275, 389 Kh: 1095, Jh: 2, Mouza: Meghsari, P.O. & G.P.

Mahanad, under Polba P.S., Dist.- Hooghly, Pin- 712 149.
this is to inform you that this Board hereby grants the Consent to Establish (NOC) from the environmental point
of the above subject to the following conditions and special conditions annexed.

1. The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS: 2490 (Pt. I) of 1974, and/or its subsequent amendment and Environment (Protection) Rules 1986.
2. Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollutional load so that the quality of the effluent satisfies the standards mentioned above.
3. You shall have to apply to this Board for its consent to operate and discharge of sewage and trade effluent according to the provisions of the water (Prevention & Control of Pollution) Act, 1974. No sewage or trade effluent shall be discharged by you without prior consent of this Board.
4. All emission from your factory shall conform to the standards as laid down by this Board.
5. No emission shall be permitted without prior approval of this Board and you shall apply to this Board for its consent to operate and atmospheric emission as per provision of the Air (Prevention & Control Pollution) act, 1981.
6. No industrial plant, furnace, flues, chimneys, control equipment, etc. shall be constructed/reconstructed/erected/re-erected without prior approval of this Board.

159725

7 You shall comply with

- (i) Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.
- (ii) Water (Prevention and Control of Pollution) Cess Act, 1978, if applicable.
- (iii) Environment (Protection) Act, 1986
- (iv) Environment (Protection) Rules, 1986
- (v) Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000
- (vi) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000
- (vii) Manufacture, Use, Import and Storage and Hazardous Micro Organisms, Genetically Engineered Organisms or Cell Rules, 1989
- (viii) The Public Liability Insurance Act, 1991 and Amended Act, 1992
- (ix) The Public Liability Insurance Rules, 1991 and Amended Rules 1993
- (x) Biomedical Wastes (Management & Handling) Rules, 1998 and Amended Rules 2000 if applicable.
- (xi) Recycled Plastics Manufacture and Usage Rules 1999, if applicable and
- (xii) Ozone Depleting Substances (Regulation & Control) Rules, 2000, if applicable

8. You will have to abide by any other stipulations as may be prescribed by any authority/local bodies/Government Departments etc.

SPECIAL CONDITION: please see the annexure.

Investment Rs. 16,48,00,000/-

Any violation of the aforesaid conditions shall entail cancellation of this Consent to Establish (NOC)

Yours faithfully,

Member Secretary,
West Bengal Pollution Control Board

Dated: Environmental Engineer
Hooghly R.O., W.B.P.C.B.

Memo No. _____

Copy forwarded for information to:

1. Chief Inspector of Factories, Government of West Bengal, N. S. Building, Kolkata-700 001
2. Director of Industries/Director of Cottage & Small Scale Industries, Government of West Bengal, N. S. Building, Kolkata-700 001
3. Guard file, West Bengal Pollution Control Board.
4. Environmental Engineer, VII/Alipur R.O./Howrah R.O./Hooghly R.O./B.R.O./D.R.O./Haldia R.O./S.R.O./Asansol/ Sub-R.O./WBPC Board

Paribesh Bhawan
10A, LA-Block, Sector-III
Salt Lake City,
Kolkata - 700 098

Block-05 at 40
Flats Complex
Adjacent to Priyambada
Housing Estate
P.O. : Khanjanchak,
P.S. Durgachak
Haldia-721602
Dist. : Purba Medinipur

Paribahan Nagar
Matigara, Siliuri
Dist.-Darjeeling

Sahid Khudiram Sarani
City Centre, Durgapur-16
Dist. Burdwan

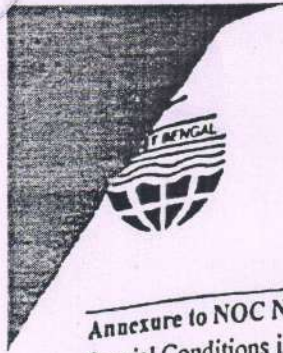
10, Camac Street
2nd Floor
Kolkata-700 017

Satya Chowdhury
Indoor Stadium
Balurchar Bandh Road
Malda-732101

Asansol Sub-Regional Office
ADDA Commercial Market (2nd Floor)
Opposite Asansol Fire Station
G.T. Road, Asansol-713 301

Member Secretary,
West Bengal Pollution Control Board





West Bengal Pollution Control Board
(Department of Environment, Govt. of West Bengal)

Himalaya Bhawan, Delhi Road, Dankuni, Dist – Hooghly, Pin - 712311
Telefax # (033) 2659 0957

Website : www.wbpcb.gov.in, Email : wbpcbnet@cal3.vsn

Annexure to NOC NO 159725
Special Conditions issued to

Alpine Distilleries (P) Ltd.
CJ – 231, Salt Lake, Sec.- II,
P.O.- Sech Bhaban, P.S.- Bidhannagar(East),
Kolkata.- 700 091.

Emission :- D.G Set - 1 no. of 15 KVA & 1 no 250 KVA.

Stack - The D.G.Set to be provided with stack of height 3.5 m. above the D.G. room.
Stack to have sampling arrangements as per the Emission Regulation Part – III of CPCB.

Effluent :-

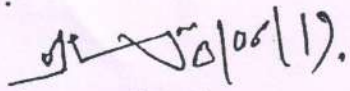
- 1) Process / wash - to be discharged to panchayet drain through ETP, as proposed.
- 2) Domestic – to be discharged through septic tank to panchayet drain.

Solid Waste :- ETP sludge – 15 kg/day – land filling.

General :-

- 1) The unit should obtain "Consent to Operate" from this Board prior to commencement of the project.
- 2) Noise Control – Ambient noise level & D.G. Set noise level not to exceed the permissible limit.
- 3) No activity should be done in the open space.
- 4) The standards / guidelines for control of noise from stationary Diesel generator sets prescribed under notification of Ministry of Environment & Forest, Govt. of India, G.S.R.371(E), [17/5/2002] and its amendments should be followed.
- 5) No additional machinery/equipment can be installed without permission from this Board. Ground water should not be abstracted without prior permission of the Competent Authority as per the West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.
- 6) Adequate firefighting measures to be adopted to ensure safety. Proper fire detection & protection systems to be provided for controlling fire and explosion hazards. Permission to be obtained from concerned authority.
- 7) Good housekeeping to be maintained.
- 8) Tree planting/saplings in pot – along the periphery of the unit.
- 9) Land Conversion Certificate to be obtained, if applicable.
- 10) This NOC is valid subject to obtaining statutory licenses from concerned Govt. Departments, as applicable. Such permissions may be required at the time of submitting application for "Consent to Operate".
- 11) This NOC is valid up to next 7 years w.e.f. date of issue.




Environmental Engineer
Hooghly Regional Office
West Bengal Pollution Control Board

Environmental Engineer
Hooghly R.O., W.B.P.C.B

Annexure – 9

WEST BENGAL POLLUTION CONTROL BOARD

'Paribesh Bhawan'

Bldg. No. - 10A, Block - LA, Sector-III

Salt Lake City, Kolkata-700 098



Consent Letter Number : C0128999

Memo Number : 336- Lg-co-2/19/0134

Date : 13/11/2020

Consent to Operate

under

Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 and
Section 21 of the Air (Prevention and Control of Pollution) Act, 1981

The West Bengal Pollution Control Board (hereinafter referred to as State Board) under the provisions of Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974, as amended and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended and Rules and Orders made thereunder, hereby grants its consent to :

M/s. Alpine Distilleries Pvt. Ltd.

(Address of Regd. office/Head/Office/City Office)

(hereinafter referred to as Applicant) for its unit located at Mouza - Nagaspara, T.L. No. - 1,
Mouza - Nagaspara, T.L. No. 1, Mouza - Meghsar, T.L. No. - 2,
Vill & P.O. - Mahanad, P.S. - Polka, Dist - Hooghly, Pin - 712149.

(Detailed address of the manufacturing unit)

for a period from Date of issue to 31/10/2025

to operate the industrial unit and to discharge liquid effluent and to emit gaseous effluent from the premises/land of the industrial unit, in accordance with the conditions as mentioned in the Annexure to this consent letter provided on any day at any instance the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in the Table I & II of this consent letter and in the Environmental (Protection) Act, 1986.

Breach of the conditions and / or failure to comply with the directions as set out in the Annexure shall render the applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.

The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alter the conditions of this consent letter giving one month's notice to the applicant.



For and on behalf of the State Board

(Member Secretary / Chief Engr / Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Environmental Engineer

13/11/20

ANNEXURE

Consent to M/s. Alpine Distilleries Pvt. Ltd.
 for its unit at Mouza - Nagarpara, T.L. No. 1, Mouza - Meghasar, T.L. No. 2,
Vill. & P.O. - Mahanad, P.S. - Polka, Dist - Hughly, Pin - 712149

Conditions :

01. This Consent is valid for the manufacture of :-

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Grain Based Distillery (Extra	1650 KL
02	Neutral Alcohol)	
03	Cogeneration Power Plant	3 MW Capacity
04		
05		
06		
07		
08		
09		
10		
11		
12		

02. The Applicant shall remain responsible for quantity and quality of liquid effluent and air emissions.
03. Daily discharge of industrial liquid effluent shall not exceed recycled KL.
04. Daily discharge of domestic liquid effluent shall not exceed 8 KL.
05. Daily discharge of mixed (industrial & domestic) liquid effluent shall not exceed 335 KL.
06. The Applicant shall discharge liquid effluent to through BTP to Panchayet Drain (place of discharge)
 through 01 (one) nos. outlets / outfalls.
07. To bring into any altered or new outlet/outfall or to change the place of discharge, the Applicant shall have to inform the Board and obtain prior permission of the Board in this effect.
08. The Applicant shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the Standard as given in Table-I in page 03.

(Member Secretary / Chief Engr. / Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Mardi
13/11/20
 Environmental Engineer
 W. B. Pollution Control Board
 Contd.

Consent to M/s. Alpine Distilleries⁽³⁾ Pvt. Ltd.
for its unit at Mouza - Naganpara, IL No-1, Mouza - Meghasar, IL No-2,
Vill & P.O. - Mahanad, P.S. - Polba, Dist - Houghly, Pin-712149.

Table-I

[illegible]

09. The Applicant falls in the Category of the Water (Prevention and Control of Pollution) Cess Act, 1977 and Rules made thereunder and the Applicant shall comply with the provisions of the said Act and Rules made thereunder.
10. Daily water consumption for the following purposes should not exceed :-
- Industrial cooling, spraying in mine pits and boiler feed water → 200 KL
(Water used for gardening should be included in this category of use)
 - Domestic purpose → 10 KL
 - Processing whereby water gets polluted and the pollutants are easily biodegradable → 150 KL
 - Processing whereby water gets polluted and the pollutants are not easily biodegradable → — KL

The *Applicant* shall regularly submit to the Board the Returns of Water Consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

(Member Secretary/Chief Engr./Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Environmental Engineer
W. B. Pollution Control Board
Operation & Execution Cell

Consent to M/s Alpine Distilleries Pvt. Ltd.

for its unit at Mouza - Nagarpara, T.L.No. - 1, Mouza - Meghsar, T.L.No. 2
Vill. P.O. - Mahanad, P.S. - Polba, Dist - Hooghly, Pin - 712149

11. The Applicant shall install suitable device for measuring the volume of water consumed for different purposes as mentioned above giving correct result to the satisfaction of the State Board.
12. All the stacks connected to various sources of emissions must be designated by numbers such as S-1, S-2, S-3, etc., and this must be painted/displayed to facilitate identification.
13. The Applicant shall install comprehensive control system consisting of pollution control equipment as is warranted with reference to generation of air emissions and operate and maintain the same continuously so as to achieve the level of pollutants of the Standard as given in Table-II below :

Table-II

Stack No.	Stack height from G.L. (in mts.)	Stack attached to (sources and control system, if any):	Volume Nm ³ /hr.	Velocity of gas emission m/sec	Concentrations of parameters not to exceed					Frequency of emission sampling
					SPM (mg/Nm ³)	CO (%v/v)				
S-I	40	Boiler (coal fired) One no. (25 TPH) with ESP (4 fields)	—	—	50	1				Quarterly
S-2	7	D.G. Set (1000 KVA)	—	—	150	1				
S-3		one no. with acoustic enclosure/acoustic treatment								
S-4										
S-5										
S-6										
S-7										
S-8										
S-9										
S-10										

(Member Secretary/Chief Engr./Sr. Env. Engr./Env. Engr./Asst. Env. Engr.)

Environment Engineer
W. B. Pollution Control Board.....
Operation & Execution Cell

C0128999

(5)

Consent to M/s. Alpine Distilleries Pvt. Ltd.for its unit at Mouza :- Nagarpara, T.L. No-1, Mouza-Meghsar, T.L. No. 2
Vill R.P.O.-Mahanad, P.S.-Polba, Dist-Hooghly, Pin-712149

14. The Applicant shall provide ports in the stack(s) and other necessary permanent facilities such as ladder, platform, etc. for monitoring/sampling the air emissions and the same shall be made available for inspection and use by the State Board's staff as well as State Board's authorised agencies.

15. The Applicant shall observe the following fuel consumption pattern :-

Sl. No	Type of fuel	Quantity consumed per day	Fuel burning operation where the fuel is used
01	Coal		Boiler (25 TPH)
02	HSD		D.G. Set (1000 KVA)
03			
04			
05			

16. The Applicant shall maintain the generation and treatment/disposal of non-hazardous solid waste as specified below :-

Type of waste	Quantity	Treatment	Disposal
Broken Glass, Carton	500 kg/day	—	Sold to authorized vendor
ASH	4 MT/day	—	Used for landfilling

17. The Applicant shall take adequate measures for control of noise levels from its own sources within the premises within the limit given below :-

Time	Limit in dB(A) L_{eq}
Day Time (06 a.m. to 09 p.m.)	65
Night Time (09 p.m. to 06 a.m.)	55

18. The Applicant shall at all times maintain good house-keeping, proper working order, and operate efficiently for control of pollution from all sources so as not to cause nuisance to surrounding areas/inhabitants and to achieve compliance with the terms and conditions of the consent.

19. The Applicant shall bring about at least 33% of the available open land under the green coverage / plantation.

20. The Applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the Applicant to maintain compliance with the terms and conditions of the consent. In absence of such an alternate electric power source, the Applicant shall stop, reduce or otherwise control production to abide by the terms and conditions of the Consent regarding pollution level.

21. The Applicant shall install a separate energy meter showing the consumption of energy for operation of pollution control devices.

22. The Applicant shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.

23. The Applicant shall provide drainage system for conveying industrial and domestic liquid waste. Storm-water drain shall be kept separate from the drainage system meant for industrial and domestic liquid waste

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Environmental Engineer
W. B. Pollution Control Board
Operation & Execution Cell

Continued.....

Consent to M/s Alpine Distilleries Pvt. Ltd.
 for its unit at Mouza - Nagarpore, J.L. No. - 1, Mouza - Meghaur, J.L. No. 2
Village P.O. - Mahanad, P.S. - Polba, Dist - Houghly, Pin - 712149

24. The *Applicant* shall maintain a separate register showing consumption of chemicals used in pollution control systems.
25. The *Applicant* shall get the samples of hazardous wastes/leachates analysed at least once in from the laboratory recognised of the West Bengal Pollution Control Board and ensure that they conform to the limits stipulated. Test reports shall be sent to the Board.
26. The *Applicant* shall provide adequate and safe facility for collection of air, waste water and solid waste samples by the *State Board's* staff as well as *State Board's* authorised agencies.
27. The *Applicant* shall submit to the *State Board* by the 30th September of every year the Environmental Statement Report for the financial year ending 31st March of the current year in the prescribed form (Form -V) as required under the provisions of rule 14 of the Environment (Protection) [Second Amendment] rules, 1992.
28. The *Applicant* shall allow the Officers of the *State Board* to enter into the applicant's premises at any reasonable time to inspect the pollution control systems as well as monitoring and measuring devices in connection with prevention & control of pollution.
29. The *Applicant* shall maintain an Inspection Book in the factory premises which shall be made available to Officers & employees of the *State Board* for inspection, review and to write down any direction or observation as is deemed necessary during the inspection from time to time.
30. The *Application* shall furnish to the *State Board* all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emissions.
31. The *Applicant* shall maintain adequate number of qualified and trained personnel among his staff for proper maintenance and operation of the effluent treatment and / or emission control devices and for overall environment management of the industry.
32. The *Applicant* shall have to make registration for the use of groundwater if any, with Central Ground Water Authority.
33. The *Applicant* shall intimate to the *State Board* immediately of any occurrence or apprehension of occurrence of discharge of any poisonous, noxious or pollutants in excess of quality as well as quality as mentioned earlier to any receiving water body/receiving system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster. The *Applicant* Shall (i) take all steps adequate to prevent such accident discharge/release of poisonous, noxious or pollutants and to limit their consequences to persons and the environment, (ii) provide to the persons working on the site with the information, training and equipment including antidotes necessary to ensure their safety and mitigate the accidental release of poisonous noxious or pollutants to the environment.
34. The *Applicant* shall make an application to the *State Board* in the prescribed form for renewal of the consent at least 60 (sixty) days before the date of expiry of this Consent.
35. The *Applicant* shall not make any alternation/modification/expansion in the existing manufacturing process and equipment as well as the pollution control system without prior approval of the Board.
36. The *Applicant* shall comply with the conditions as laid down in the Manufacture, Storage and Import of hazardous Chemicals Rules, 1989 and Hazardous Wastes (Management & Handling) Rules, 1989.

Additional Conditions See Annexure.


(Member Secretary/Chief Engr / Sr. Env. Engr / Env. Engr / Asst. Env. Engr.)

M. S. Ghosh
 13/11/20
Environmental Engineer
W. B. Pollution Control Board
 Operation & Execution Cell

Annexure to Consent Letter Number – CO128999

Additional Conditions issued to M/s. Alpine Distilleries Pvt. Ltd. at mouza-Nagarpara & Meghsar, Vill & P.O- Mahanad, P.S-Polba, Dist- Hooghly, PIN-712149.

1. The unit shall abide by all other condition as mentioned in Environmental Clearance (EC) issued vide no. F.No.J-11011/227/2012-IA.II(I) dated 23.02.2015 and NOC issued vide memo no.1082-2N-101/2012(E) dated 31.12.2015 in favour of the Grain Based Distillery Plant.
2. The unit should obtain all the statutory licenses as applicable from other concerned Govt. Department.
3. This consent may be revoked at any time on violation of environmental norms.
4. The unit shall submit a status of compliance of the conditions stipulated in EC.
5. The unit should install Continuous Emission Monitoring System for all emission sources within 03(three) months from here of failing which regulatory action will be initiated.
6. The unit shall develop tree plantation/greeneries as per EC/NOC condition during monsoon season and submit compliance report.
7. This consent to Operate is valid for operation of the Grain Based Distillery Plant(60KLPD) and cogeneration power plant of capacity-3MW.


13/11/20
Environmental Engineer
West Bengal Pollution Control Board

Environmental Engineer
W. B. Pollution Control Board
Operation & Execution Cell

Annexure-10

F. No. J-11011/227/2012- IA II (I)
Government of India
Ministry of Environment, Forests and Climate Change
(I.A. Division)

Indira Paryavaran Bhawan
Aliganj, Jorbagh Road,
New Delhi -110003

E-mail : lk.bokolia@nic.in
Telefax : 011: 24695401
Dated: 23rd February 2015

To,
✓ Shri Debraj Mukherjee (Director)
M/s Alpine Distillery Pvt. Ltd.
11, Swinhoe Lane, P.O. and P. S. Kasba,
Kolkata, West Bengal

E-mail: alpine.distillery@gmail.com ; jain_yp@yahoo.com ; Fax No. : 033-32961791

Subject: Grain based Distillery (60 KLPD) along with Cogeneration Power Plant (3.0 MW) at Village Mahanad, Block Polba-Dadpur, Polba, District Hoogly, West Bengal by M/s Alpine Distilleries Pvt. Ltd. — Environmental clearance reg.

Ref. : Your letter no. nil dated nil received in the Ministry on 24th September, 2014.

Sir,

Kindly refer to your letter dated nil alongwith project documents including Form I, Terms of References, Pre-feasibility Report, EIA/EMP Report alongwith Public Hearing Report regarding above mentioned project.

2.0 The Ministry of Environment, Forests and Climate Change has examined the application. It is noted that proposal is for setting up of the Grain based Distillery (60 KLPD) along with Cogeneration Power Plant (3.0 MW) at Village Mahanad, Block Polba-Dadpur, Polba, District Hoogly, West Bengal. Total plot area is 4.5 ha of which greenbelt will be developed in 18967 m². Total project cost is Rs. 60 crores. Rs. 7.35 crores and Rs. 2.75 Crores per annum have been earmarked towards capital and recurring cost per annum for implementation of environmental management plan. It is reported that no eco-sensitive area such as national park/wild life sanctuary / biosphere reserve /reserve forest is located within 10Km. Distillery will be operated for 330 days in a year.

3.0 Bag filter alongwith stack of adequate height will be provided to coal/biomass fired boiler (25 TPH) to control particulate emissions within 50 mg/Nm³. Total fresh water requirement from ground water source will be 660 m³/day for distillery and CPP. Spent wash generation will be 360 m³/day. Spent wash will be passed through decanter and concentrated in multi-effect evaporator (MEE). Thick syrup and wet cake will be mixed together to form Distiller's Wet Grains with Soluble (DWGS) to achieve zero discharge. DWGS will be dried to form Distiller's Dry Grains with Soluble (DDGS). Spentlees, MEE condensate and utilities wastewater will be treated in effluent treatment plant (ETP) comprising UASBR followed by aerobic treatment and tertiary treatment and used as make water for cooling tower. No effluent will be discharged outside the factory premises and 'Zero' effluent discharge concept will be implemented. Storage capacity for spent wash lagoon will be 5 days. DDGS will be sold as cattle feed. Fly ash will be sold to the brick manufacturers/cement. Used oil will be sent to authorized recyclers/re-processors.

4.0 Public hearing/public consultation meeting was conducted on 11th September, 2013.

5.0 All cane juice/non-molasses based distillery (>60 KLD) are listed at S.N. 5(g) (ii) under category 'A' and appraised at Central level.

6.0 The proposal was considered by the Expert Appraisal Committee (Industry) in its 3rd and 28th meetings held during 3rd –5th December, 2012 and 1st December – 2nd December, 2014 respectively. The Committee recommended the proposal for environmental clearance. The Committee recommended the proposal for environmental clearance. Project Proponent and the EIA Consultant namely M/s EN-Vision Enviro Engineers Pvt. Ltd., have presented EIA / EMP report as per the TOR. EAC has found the EIA / EMP Report and additional information to be satisfactory and in full consonance with the presented TORs. The Committee recommended the proposal for environmental clearance.

7.0 Based on the information submitted by the project proponent, the Ministry of Environment, Forests and Climate Change hereby accords environmental clearance to above project under the provisions of EIA Notification dated 14th September 2006, subject to the compliance of the following Specific and General Conditions:

A. SPECIFIC CONDITIONS:

- i) Distillery unit shall be based on Grain based only and no Molasses based distillery unit shall be operated. The unit will use bagasse if available.
- ii) Bag filter alongwith stack of adequate height shall be provided to Coal/rice husk fired boiler to control particulate emission within 50mg/Nm³. At no time, the emission levels should go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- iii) In plant, control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi-cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored and records shall be maintained. The emissions shall conform to the limits imposed by West Bengal State Pollution Control Board (WBSPCB).
- iv) Pucca approach road to project site shall be constructed prior to commencing construction activity of the main distillery so as to avoid fugitive emissions.
- v) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB guidelines. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.
- vi) The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and the WBSPCB. The levels of PM_{2.5}, PM₁₀, SO₂, NO_x, CO and HC (Methane) in ambient air shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.
- vii) Total fresh water requirement from ground water source shall not exceed 660 m³/day for distillery and cogeneration unit and prior permission shall be obtained from the CGWA/SGWA. Water

consumption shall be reduced by adopting 3 R's (reduce, reuse and recycle) concept in the process.

- viii) Spent wash generation shall not exceed 6 Kl/Kl of alcohol. Spent wash shall be treated through decanter and concentrated in multi-effect evaporator (MEE) followed by dryer to form DDGS. Spentlees, MEE condensate, effluent from bottle washing, utilities and cogeneration unit shall be treated in effluent treatment plant (ETP) and water quality of treated effluent shall meet the norms prescribed by CPCB/SPCB.
- ix) No effluent from distillery and co-generation power plant shall be discharged outside the factory premises and 'Zero' effluent discharge concept shall be adopted.
- x) Online continuous monitoring of flow and pollutants in the treatment plant to be installed and monitored by the respective Regional Office of MEF&CC/SPCB. Data shall be uploaded on the company website or in public domain.
- xi) Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.
- xii) Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and this Ministry. The ground water quality monitoring for pH, BOD, COD, Chloride, Sulphate and Total Dissolve Solids shall be monitored and report submitted to the Ministry's Regional Office at Bhubaneshwar and WBSPCB.
- xiii) No storage of wet cake shall be done at site to avoid odour problem. An additional dryer shall be installed so that at any time wet cake is not sold then wet cake shall be converted into dry cake by operating additional dryer.
- xiv) Coal storage shall be done in such a way that it does not get air borne or fly around due to wind. For this, it shall be kept in wet form.
- xv) Fly ash shall be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing alongwith the storm water. Direct exposure of workers to fly ash & dust shall be avoided.
- xvi) Fire fighting system shall be as per norms and cover all areas where alcohol is produced, handled and stored. Provision of foam system for fire fighting shall be made to control fire from the alcohol storage tank.
- xvii) Risk Assessment shall be carried to assess the fire and explosion risk due to storage of alcohol and report submitted to the Ministry and its Regional Office at Bangalore within six months.
- xviii) Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the regular medical test records of each employee shall be maintained separately.
- xix) Dedicated parking facility for loading and unloading of material shall be provided in the factory premises. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.

- xx) As proposed, green belt over 33 % of the total project area shall be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- xxi) All the commitment made regarding issues raised during the Public Hearing/consultation meeting held on 11th September, 2013 shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Bhubaneshwar.
- xxii) At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Bhubaneshwar. Implementation of such program shall be ensured accordingly in a time bound manner.
- xxiii) Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the West Bengal State Pollution Control Board (WBSPCB), State Government and any other statutory authority.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii. The locations of ambient air quality monitoring stations shall be decided in consultation with the West Bengal State Pollution Control Board (WBSPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
- iv. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- v. The Company shall harvest rainwater from the roof-tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.
- vi. During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic wastewater and storm water drains.
- vii. Usage of Personnel Protection Equipments by all employees/ workers shall be ensured.

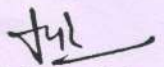
- viii. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- ix. The company shall also comply with all the environmental protection measures and safeguards proposed in the project report submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.
- x. The company shall undertake CSR activities and all relevant measures for improving the socio-economic conditions of the surrounding area.
- xi. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- xii. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- xiii. The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
- xiv. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/ representations, if any, were received while processing the proposal.
- xv. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the West Bengal State Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
- xvi. The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the Gujarat Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Bhopal Regional Offices of MoEF by e-mail.
- xvii. The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
- xviii. The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

8.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

9.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

10.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986 Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

11.0 Environmental Clearance is issued to M/s Alpine Distilleries Pvt. Ltd Grain based Distillery (60 KLPD) along with Cogeneration Power Plant (3.0 MW) at Village Mahanad, Block Polba-Dadpur, Polba, District Hongly, West Bengal.



(Lalit Bokolia)
Additional Director

Copy to :-

1. The Secretary, Department of Environment, Govt. of West Bengal, Kolkata, West Bengal.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
3. The Chairman, West Bengal Pollution Control Board, Parivesh Bhawan, 10A Block-LA Sector-III, Salt Lake, Kolkata - 700091, West Bengal.
4. The Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment, Forests and Climate Change, A-3, Chandrashekharpur, Bhubaneswar - 751 023, Orissa.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Guard File / Record File/ Notice Board.



(Lalit Bokolia)
Additional Director

Annexure-11

Symposium

1000

miscellaneous

Lab Technician for
Testing Ash Content and
Density etc. Apply
gupta.ransal@gmail.com
164230
BASIRHAT
MEMO No. 2404/BM

Applications are invited by the Board of Councillors from eligible Indian citizens for recruitment against some vacant posts as mentioned on the Website. The format of the application form and detailed information for each post are available on the Website: www.basirhatmunicipality.in. The last date for receipt of filled-in application is on 10.04.2015 (till 4.30 p.m.).
Atul Basirhat Chairperson, Municipality. 1663774

Ecotech, a 15 year old ISO-Certified company, requires telecallers for UK and US Survey process. Salary: tk.18k. Team leader with team is welcome. Walk-in with your CV at 13B, Bidhan Sarani, CV at 13B, Bidhan Sarani, Kolkata-700026. (Near Vidyasagar College) on March 14 & 15 (11AM - 6PM) 9038044353.

CV at 13B, Bidhan Sarani,
Kolkata-700065.
CV at 13B, Bidhan Sarani,
Kolkata-700065.

Registration, free* get
a stylish, high life style through
unlimited south 100%
guarantee & dropping
facility

Hi-profile female want
good male escorts join
free fulfill your dream
with high benefit
6276981696/ 6276981400.

First, earn a high pay per
high income through
info starts 100%
guaranteed
TRIES P...
720005704

Male escort w/ pinup
profile lady (at my
place) Govt. Regd. Cali.
and drop
9051955026, 1836893952

Only \$50 to join fulfill
your dreams by making
escorts 100% privacy & facility
dropping
727-626-782 / 627-8981705
199818

Register free for making
opportunity 100% guaranteed
escorts 100% guaranteed
dropping 100% guaranteed
827861640 127861640

338

change of name

Baku Kishore Saha
% Lt Gour Kishore Saha
- 160/7 A.C. Rd. PO
- Chingra, Dt. Murshidabad
state that in HS Certifi-
cate and in Passport my

middle name have been written as Kisor and father's middle name as Kishor but in all other records as Kishore. Details stated in affidavit. Vide affidavit at Borthampore court I declare that

Minu Dutta assume from this date 25.02.15 the name and identically one. 3758 144175

Mr. Somalia Aliwas,
residing at Bali Vihar,
492, Madhurah, P.S. Ti-
jula, Kot-107, would
be known as
Mrs. Somalia Ali after
the marriage.

the Notary Public for
Kerala, dated 4.9.2016.

Bhattacharyya vide Air
 Force Notary Affidavit
 (16.01.2010) 143704
 I, Tasin Sultana have
 changed my name to

lender

TRIPURA STATE

ELECTRICITY CORPORATION LTD.
A Government of
Tamil Nadu Enterprise
Office of the Deputy
General Manager
Materials Management
Central Store Division
Arundhathi Nagar,
Agartala

P.111/1/EGM/ESD/
 3-3507
 Dated: 11.06.2015
 Office Inviting Tender
 e Deputy General
 Manager (Materials
 Management) Electrical
 Stores Division, A.D.
 Nagar, Thrissur
 District, Kerala, India

under on behalf of
SECL from the
sourced/used suppliers
level, (Tiguna Saini) SS
intercellular for supply
the following materials
Division, A.D. Nagat-

1. No. of N.I.T. No. of Estimated cost/ Earnest money/ Last date of receiving Cost of Tender-
line of completion are as follows.

Printed for H3/2013
completed = 25.00.00/
line. QTY ESD/01/2013
ATT No. ESD/01/01/01/
228.1.20.00.00.00
R1425.00.01 30/02/2013

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 1503732
 1503732

reiner

Annexure 12

Electrostatic precipitator (ESP)



Annexure 13

Water Sprinkling



Annexure 14

Certifications and Registrations

▸ Six Monthly Compliance Report

April 2022 To Sep 2022 – [View / Download](#)

▾ Form-V

▾ MOEF EC COPY



Services

Company

Connect

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[Certifications and Registrations](#)

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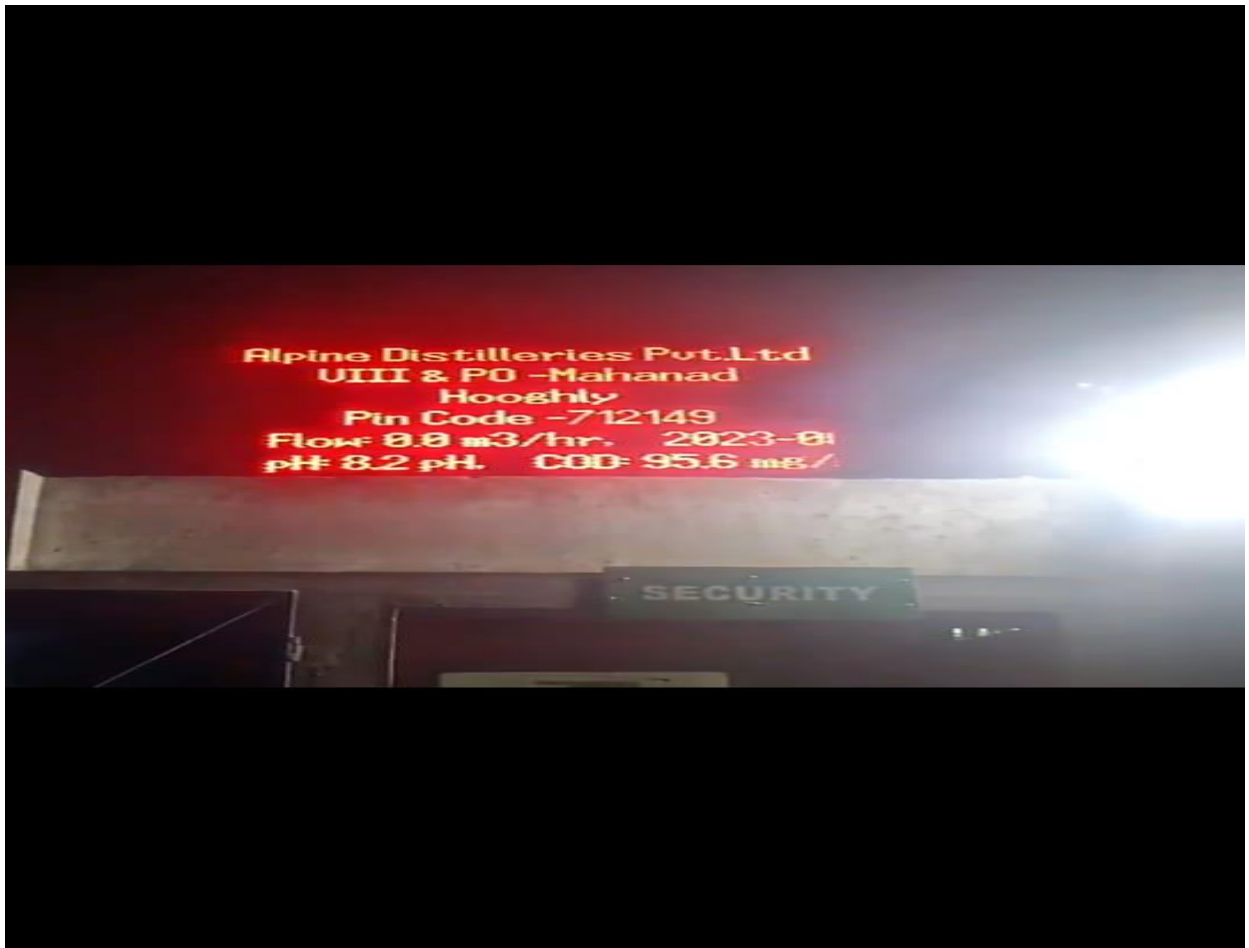
✉ hello@hello.com

Annexure 15

Firefighting System



Annexure 16



Annexure 17

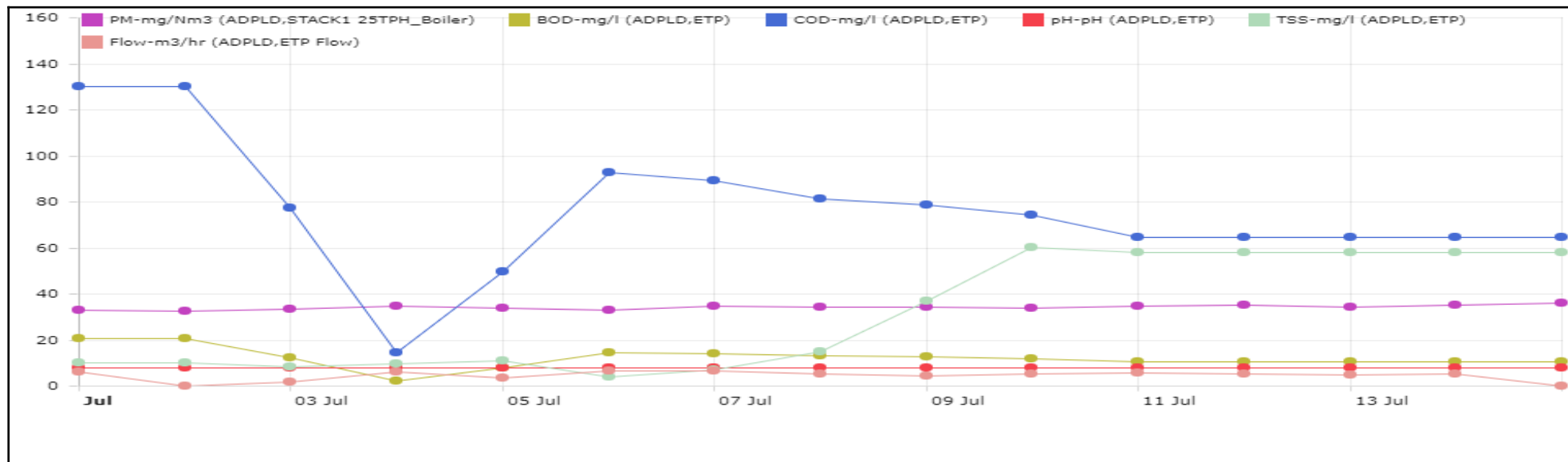
Forbes Marshall Multi Station Report

From : 01-07-2023 00:00:00

To : 31-07-2023 23:59:59

Interval : Daily

Function : Average



Flag legends:	< - Average with less data, C - Calibration mode, M - Maintenance mode, S - Data under scrutiny, B - Bad data, H - High permissible limit crossed, L - Low permissible limit crossed, P - Processed Data, V - Corrected Data, D - Delayed Data, R - Analyzer drift
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Calender	PM Avg	BOD Avg	COD Avg	pH Avg	TSS Avg	Flow Avg
Plant	ADPLD	ADPLD	ADPLD	ADPLD	ADPLD	ADPLD
Station	STACK1	ETP	ETP	ETP	ETP	ETP Flow
	25TPH_Boiler					
Units	mg/Nm3	mg/l	mg/l	pH	mg/l	m3/hr
Range	0 - 50	0 - 30	0 - 250	5.5 - 9	0 - 100	
01-07-2023 00:00:00	33.06 <	20.83	130.21	8.04	10.13	6.02626 R
02-07-2023 00:00:00	32.45 < HS	20.83 <	130.21 <	8.04 <	10.13 <	0.00000 <
03-07-2023 00:00:00	33.23 <	12.39 HR	77.48 R	8.02	8.14 H	1.74838 R
04-07-2023 00:00:00	34.62 <	2.34 R	14.62 R	7.99	9.64	5.99874 R
05-07-2023 00:00:00	33.90 <	7.92	49.47	8.07	10.79	3.45666 R
06-07-2023 00:00:00	33.14 <	14.44	92.84	8.06	3.93	6.67703 R
07-07-2023 00:00:00	34.92 <	14.26	89.19	8.05	7.20	6.46384 R

Calender	PM Avg	BOD Avg	COD Avg	pH Avg	TSS Avg	Flow Avg
Plant Station	ADPLD STACK1 25TPH_Boiler	ADPLD ETP	ADPLD ETP	ADPLD ETP	ADPLD ETP	ADPLD ETP Flow
Units	mg/Nm3	mg/l	mg/l	pH	mg/l	m3/hr
Range	0 - 50	0 - 30	0 - 250	5.5 - 9	0 - 100	
08-07-2023 00:00:00	34.43 <	13.03	81.50	8.06	15.08	5.40737 R
09-07-2023 00:00:00	34.19 <	12.56	78.55	8.07	37.12	4.49190 R
10-07-2023 00:00:00	33.67 <	11.85	74.10	8.01	60.42	5.30015 R
11-07-2023 00:00:00	34.63 < HS	10.37	64.81	8.00	57.96	5.52422
12-07-2023 00:00:00	34.99 <	10.37	64.81	8.00	57.96	5.33205
13-07-2023 00:00:00	34.35 <	10.37	64.81	8.00	57.96	4.76817 R
14-07-2023 00:00:00	35.20 <	10.37	64.81	8.00	57.96	5.34955 R
15-07-2023 00:00:00	35.97 <	10.37 <	64.81 <	8.00 <	57.96 <	0.00000 <

Report Summary

Average	34.18	12.15	76.15	8.03	30.83	4.43629
Maximum	35.97	20.83	130.21	8.07	60.42	6.67703
Minimum	32.45	2.34	14.62	7.99	3.93	0.00000
Std.Deviation	0.95	4.56	28.63	0.03	24.42	2.17567
Geom.Mean	34.17	11.10	69.50	8.03	20.69	4.88913
Median	34.35	11.85	74.10	8.02	15.08	5.33205
Mode	34.92	10.37	64.81	8.00	57.96	0.00000
Total Active Duration						