

ENVIRONMENTAL STATEMENT
FOR
THE FINANCIAL YEAR 2021-22



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GOBIND SUGAR MILL, AIRA ESTATE
(UNIT OF ZUARI INDUSTRIES LIMITED)

(UNIT- DISTILLERY)

VILLAGE: KHAMARIA PANDIT
P.O.: AIRA ESTATE
DISTRICT: LAKHIMPUR KHERI,
UTTAR PRADESH- 262722



ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

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ISO 9001:2015, ISO 14001 : 2015, OHSAS 18001 : 2007

Date: 28.09.2022

CERTIFICATE

The Environmental statement for year 2021-2022 of the Gobind Sugar Mill (Unit of Zuari Industries Limited) Sugar Division, Aira Estate, Khamaria Pandit, District: Lakhimpur Kheri (U.P.) - 262722 has been prepared by us at the request of the factory management. The data on which this report is based was provided to us by the factory administration. The testing and analysis of the Effluents, Ambient Air Quality, Ambient Noise level and Stack Emission was carried out by us.

Dr. Manoj Garg

ENVIRONMENTAL AUDITOR

Environmental & Technical Research Center, Lucknow (U.P.) India

(An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified,

NABL & MoEF Accredited Lab)

ENVIRONMENTAL STATEMENT

THE ISSUES, FOCUS & METHODOLOGY

INTRODUCTION

In Today's world of keen demand on financial and economic competitiveness through industrialization and simultaneous strong growing social awareness towards risks and environmental degradation associated with industrialization, the industry is under serious stress as to how to tackle it. Therefore, it is in the interest of every industry to have some formalized procedure, to provide the management, the vital knowledge of its compliance with environmental laws and procedures towards the environmental protection and their social acceptability. The formalized procedure to achieve the aforementioned objective is now popularly known as "**Environmental Audit**".

The concept of environmental audit is not something unheard of, rather it came into operation during the early 1970's in USA and industrialized European countries. However, it had a number of different approaches and names, like environmental reviews, environmental quality controls etc.

In view of the experience of developed nations where such procedure have benefited the industries and helped in reducing the environmental degradation there, the developing countries have also started taking initiatives in adopting such methodologies.

DEFINING ENVIRONMENTAL AUDIT

There is no single universally accepted definition of environmental audit, perhaps, because of absence of standard procedure and methodology to conduct this kind of study. However, the definition accepted by Internal Chamber of Commerce (ICC) is comprehensive and is as follows:

"Environmental Audit" is a management tool comprising a systematic documented, periodic and objectives evaluation of how well organizations, management systems and equipment are performing with the aim of:-

1. **Facilitating management control on environmental practices.**
2. **Assessing compliance with company policies, including meeting regulatory requirements.**

Environmental audit, therefore, has two basic components:

- a) **Management Audit on Environmental philosophy of the organization.**
- b) **Technical Audit of the plant, equipment, facilities & operating practices compliance.**

Environmental Audit differs from Environmental Impact Assessment (EIA), in that, the latter is predicative concept, carried out during the planning phase before an operation starts, while the audit is systematic examination of performance during the operational phase of industrial activity, including verification of adequacy of the suggested Environmental Management Plan ((EMP) generated during EIA phase.

WHY AUDIT

As the definition of environmental audit suggests, it is required to be carried out by the desire of the company's management either on regulatory pressure or by its own consciousness/anxiety to have an assurance that the company's environmental

management phase is adequately and satisfactorily operating. Thus prima facie the audit programme provides assurance to the company's managements the conformance to the enforced regulatory requirements, the consistency and adequacy of its environmental protection and pollution control systems and effectiveness of information reporting procedures.

BENEFITS OF AUDIT

The benefits of environmental audit to the pursuing industry are as broad as the audit objectives. As an example, a typical audit program objective could be related to verification for the compliance status of individual facilities only or could be more comprehensive and define the changes necessary to reduce the wastage in production process itself.

The benefit of this study however would not end with just the identification and documentation of compliance status but will result in increased environmental effectiveness through improved compliance record, reduced occupational hazards, fewer legal actions, timely corrective actions for correction of faulty operating equipment/ instruments/ systems. The benefits influenced by audit are generally quantifiable, tangible and real. The reduced legal actions brought against company and/ or individuals, reduced fines/ penalties, reduced accidents, reduced incidences of environmental hazards, improved workers health, increase in worker productivity, reduced insurance rate etc., to list only a few . The intangible benefits would include better reputation, favorable publicity, improved relations with regulatory authorities, increased job satisfaction for workers, increased involvement in day to day environmental related activities and greater commitments etc. thus industries have to realize that a strong environmental performance can help both within the company and outside the company.

AUDIT AS A PART OF ENVIRONMENTAL MANAGEMENT PLAN (EMP)

From the benefits an environmental audit brings to the industry, it is amply clear that audit should not be perceived as just a regulatory requirement, rather it is to the company's own advantage to include auditing in its Environmental Management Plan (EMP). Environmental Management Plan is an overall framework, involving well defined group of personnel assignment with specific responsibilities to develop, installed and monitors environment related plans for the company.

As any other management system, EMP also involves planning, organizing, guiding, directing, communicating and finally controlling and reviewing to achieve the goals for which this management system is devised. The audit evidently falls in the controlling and reviewing function of EMP, because this function involves measuring results, comparing performances, and diagnosing problems, taking corrective action based on the feedback and finally improving the system.

Although auditing may appear small part of EMP yet it is perhaps the most significant part of EMP. It has direct influence on the other functions of EMP and all other functions have to be reviewed/ redesigned based on audit recommendations.

Form V

For Environmental Audit Report

It has been stated in the beginning that Environmental audit has a number of benefits. This, besides improving the Environmental Management of an organization, also increases the organization's profitability in tangible as well as intangible terms. India is one of the developing countries, working towards a high economic growth rate by taking certain steps. Most important of these steps would call for further rapid industrialization.

The Government of India has notified the requirement for carrying out Environmental Audit for all the operating industries vide their Gazette Notification No.120 dated March 13, 1992. This is an amendment under the Environment Protection Act 1986. To help the industry in formulating the requisite information regarding its raw material usage, product profile, production process, waste discharge, pollution control system etc. a prescribed Performa is enclosed with the notification. The Performa has been prepared primarily to cover only the regulatory compliance requirements on the basis on data reported and presented by the industry.

The environmental statement is to be submitted in Form V, which has nine parts, namely Part A, B, C, D, E, F, G and H & I.

Part A contains the name and address of the owner and the date of the last environmental audit report submitted.

Part B pertains to the consumption of waste and raw materials. Water consumption is to be given separately for process, cooling, and domestic uses, in m³/day and also in terms of water consumption/unit of product, for the various products. Similarly information's on raw materials consumption, product-wise per unit of output is to be provided.

Part C relates to the quantities of hazardous wastes generated, separately from the process and from pollution control facilities.

Part D deals with the quantities of solid wastes generated from the process as well as pollution control facilities.

Part E deals which the quantities of solid wastes generated from the process as well as pollution control facilities, and seeks to know also about the quantities recycled or reutilized.

All the Parts from B to E require comparisons of the current year performance with that of the previous year.

Part F seeks information regarding characteristics (in terms of concentration and quantum) of Hazardous and solid wastes and about the practice adopted for the disposal of both these categories of wastes.

Part G calls for information on the impact of pollution measures on the conservation of natural resources and consequently on the cost of production.

The industry is required to indicate, in Part H, its future proposals for investment in environmental protection, including abatement of pollution.

In the last Part, I, any other particulars, in respect of environmental protection and abatement of pollution may be given.

CONCLUSIONS

Taking advantage of the requirements of regulatory bodies the industry can take concrete steps now, to derive full benefits of Environmental Audit to become Environmental Friendly and yet more competitive. Environmental Audit, therefore, is not a restrictive requirement, but indeed a very useful and potent tool for building up the competitiveness in our industry.

LEGAL PROVISIONS

Ministry of Environment and Forests, Notification No. G.S.R.945 (E), dated February 12, 1992, published in the Gazette of India Extra. Part II, Section 3(i), dated 12 February, 1992, p.2(No. Q - 14011(1)/90—CPA.) :-

In exercise of the powers conferred by sections 6 and 25 of the Environment (Protection) Act, 1986(29 of 1986), the Central Government hereby makes the following rules further to amend the Environment (Protection) Rules, 1986, namely :—

- [1] 1. These rules may be called the Environment (Protection) Rules, 1992.
2. They shall come into force on the date of their publication in the Official Gazette.
- [2] In Rule 3 of the environment (protection) Rules, 1986 after sub rule, the following sub rules will be added, namely:-

(6) Notwithstanding anything contained in sub rule (3), an industry operation process which commenced production on or before 16th May, 1981 and has shown adequate proof of a least commencement of physical work for establishment of facilities of meeting the specified standards within a time—bound programe, to the satisfaction of the concerned state pollution control board, shall comply with such standards latest by the 31st day December, 1993.]

(7) Notwithstanding anything contained in sub—rule(3) or sub rule (6) industry, operation of process which has commenced production after the 16th day of May, 1991 but before the 31st day of December, 1991 and has shown adequate proof of a least commencement of physical work of establishment of facilities to meet the specified standards within a time—bound programe, to the satisfaction of the concerned state pollution control Board, shall comply with such standards latest by the 31st day of December, 1992.]

Ministry of Environment and Forests, Noti. No. G.S.R. 329(e) dated March 13, 1992, published in the Gazette of India , Extra. , Part II , Section 3(i), deed 13th March 1992, SI . No. 120, pp.3-4(F. No.q.15015/1/90—CPA).

In exercise of the powers conferred by Sections 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government hereby makes the following rules further to amend the Environment (Protection) Rules, 1986, namely:-

- [1] 1. These rules may be called the Environment (Protection) (Second Amendment) Rules, 1992.
2. They shall come into force on the date of their publication in the Official Gazette.
- [2] In the environment (protection) Rules, 1986 after rule 13, the following rule shall be inserted,

"14, Submission of Environmental Audit Report:-

Every person carrying on an industry, operation or process requiring consent under section 25 of the water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) or under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, (14 of 1981) or both authorization under the Hazardous wastes (Management and Handling) Rules, 1989, issued under the Environment (Protection) Act, 1986 (29 of 1986) shall submit an environmental audit report for the financial year ending the 31st March in form V to the concerned state pollution control board on or before the 15th day of May every year, beginning , 1993.

Ministry of Environment and Forest

New Delhi : the 28th April, 1994 G.S.R. 329 (E), In exercise of the powers conferred by Sections 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government hereby makes the following rules further to amend the environment (Protection) Rule 1986, namely :—

[1] 1. These rules may be called the Environment (Protection) Amendment Rules, 1993.

2. They shall come into force on the date of their publication in the Official Gazette.

[2] In the Environment (Protection) Rules, 1986, (a) in rule 14,

For the word audit report whenever they occur the word "statement" shall substituted.

(ii) For the figure letters and word "15th day of May" the word the "30th day of September" shall be submitted.

(FORM - V)
(See Rule 14)

Environmental Statement Report for the financial year ending the 31st March, 2022

PART – A

(i)	Name and address of the owner/ occupier of the industry operation or process.	:	Gobind Sugar Mills Limited Unit – Distillery Village – Khamaria Pandit, P.O. – Aira Estate, Lakhimpur Kheri, Uttar Pradesh 262722
(ii)	Industry category Primary-(STC Code) Secondary-(STC Code).	:	Secondary
(iii)	Production capacity	:	Distillery: 100 KL / Day (RS/ ENA/AA) & Co-gen: 4.0 MW
(iv)	Year of establishment	:	November 2017
(v)	Date of the last environmental statement submitted.	:	27 th September 2021

PART - B

Water and Raw material consumption

1. Water consumption m³/d

S. No.	Source	Process Water Consumption per unit of product output	
		During the previous FY 2020-2021	During the current FY 2021-2022
(1)	Process	457.00	556.49
(2)	Cooling		
(3)	Domestic	20.00	20.00
	Total	477.00KLD	576.49KLD

Note: Distillery was operational on both 60 KLD & 100KLD capacity during FY 2020-21, during FY 2021-22 Distillery was operational with 100 KLD capacity

Name of Product: Ethanol

Water consumption per unit of product Output

During the previous FY 2020-2021	During the current FY 2021-2022
5.94 Litre/ BL	5.43 Litre/BL

2. Raw Material Consumption

S. No.	Name of Raw Material	Name of Product	Consumption of Raw Material per unit	
			During the previous FY 2020-21	During the current FY 2021-22
(1)	B Heavy Molasses	Ethanol	471900 Qtls	719750 Qtls
(2)	C Heavy Molasses		408650 Qtls	84100 Qtls
	Total		880550 Qtls	803850 Qtls

Raw material consumption per unit of product Output

S. No.	Name of Raw Material	During the previous FY 2020-2021	During the current FY 2021-2022
(1)	B Heavy Molasses	3.19 Kg/BL	3.37 Kg/BL
(2)	C Heavy Molasses	4.53 Kg/BL	4.24 Kg/BL

PART – C

Pollution discharged to environmental/unit of out put

S. No.	Pollution	Quantity of Pollutants Discharged (mass/day)	Concentration of Pollutants in Discharges (mass/volume)	Percentage of variation from prescribed standards with reasons	
(1)	Effluent	ZERO LIQUID DISCHARGE			
(2)	Stack Emission SPM		78.2 mg/Nm ³ (Average of 10 Sampling)	Within prescribed limit of 150mg/Nm ³	
(3)	Ambient Air Monitoring (Average of six sampling points) 08 sampling in a year	NA		Within prescribed limit mentioned as below	
	PM 10		81.2 µg/m ³		100 µg/Nm ³
	PM 2.5		51.73 µg/m ³		60 µg/Nm ³
	SO2		14.25 µg/m ³		80 µg/Nm ³
	NO2		21.08 µg/m ³		80 µg/Nm ³
(4)	Noise	NA	55.19 dB (24 Hours Average)	Within prescribed limit of 70/75 db	

All the parameters were found within the standards stipulated by UPPCB, it shows that our Treatment system (MEE, Slop fired boiler, stack with APCS) is working properly.

PART – D

HAZARDOUS WASTES

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

S. No.	Hazardous Waste	Total Quantity (Kg)	
		During the previous FY 2020-2021	During the current FY 2021-2022
(1)	From Process	Nil	Nil
(2)	From Pollution Control Facilities (Used oil & grease)	1.0 MT	0.909 MT
	Total	1.0 MT	0.909 MT

Used oil & Grease is combusted in Slop Fire Incineration Boiler for energy recovery.

**PART - E
SOLID WASTES**

S. No.	Waste	Total Quantity (Kg)	
		During the previous FY 2020-2021	During the current FY 2021- 2022
(a)	From Process	Nil	Nil
(b)	From Pollution Control Facilities		
	Ash	13994.1 MT	15549.0 MT
	Fermenter Sludge	2259.32 MT	2024.71 MT
(c)(1)	Quantity recycled or re- utilised within the unit		
(2)	Sold	Nil	Nil
(3)	Disposed		
	Ash	100% Ash used as manure.	100% Ash used as manure.
	Fermenter Sludge	100 % Fermenter Sludge is used for making manure.	100 % Fermenter Sludge is used for making manure.

PART - F

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

----- NOT APPLICABLE -----

PART - G

Impacts of pollution control measures on conservation of natural resources and consequently on the cost of production.

- Condensate polishing unit alongwith RO system is installed with proven technology to achieve Zero Liquid Discharge.
- Gas flare is provided at Condensate polishing unit which is continuously burning the flammable toxic gases producing in effluent treatment.
- Installed Multi effect evaporator for separation of condensate and slop.
- Slop fired Incineration Boiler of 35 TPH capacity is installed for combustion of Slop as well Hazardous waste to recover the energy.
- Bag filter is installed to control the particulate emission.
- Ash Silo is installed to store boiler ash.
- Bag filter is installed to control the particulate emission.
- Ash Silo is installed to store boiler ash.
- We have installed Online Continuous Emission Monitoring System for monitoring of Particulate Matter.
- We have installed PTZ camera with Static IP for connectivity with the UPPCB/CPCB.
- We have installed Mass Flow meter at the inlet & Outlet which are connected with the CPCB Server.
- We have installed 02 nos. of Piezometer with telemetry for measurement of ground water level.

PART H
**Additional measures/ investment proposal for environmental protection
abatement of pollution, prevention of pollution.**

----- NOT APPLICABLE -----

PART I
Any other particulars for improving the quality of the environment.

- We have in-house laboratory to analyze general effluent parameters.
- The solid wastes i.e. fermenter sludge and boiler ash are being 100% used as manure.
- We are applying 4R (Reduce, Re-use, Recover & Recycle) in Gobind Sugar Mill.
- We have done bulk plantation as well miyawaki plantation to increase greenbelt in and around the plant.
- We are doing rain water harvesting through adopted ponds.
- Installation of Sewage Treatment Plant in Colony for treatment of domestic Sewage.

Consent to Operate for Air and Water



UTTAR PRADESH POLLUTION CONTROL BOARD
Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831, Fax:0522-2720764, Email: info@uppcb.com, Website: www.uppcb.com

CONSENT ORDER

Ref No. -
144352/UPPCB/Lucknow(UPPCBRO)/CTO/air/LAKHIMPUR
KHIRI/2021

Dated : 23/12/2021

To ,

Shri ALOK SAXENA
M/s Gobind Sugar Mills Limited Unit Distillery
Village Khamaria Pandit, Aira Estate, Tehsil Dhaurahara, District Kheri (U.P.), LAKHIMPUR
KHIRI,1
LAKHIMPUR KHIRI

Sub : Consent under section 21/22 of the Air (Prevention and control of Pollution) Act, 1981 (as amended) to M/s. Gobind Sugar Mills Limited Unit Distillery

Reference Application No. 14355252

Dated : 23/12/2021

1. With reference to the application for consent for emission of air pollutants from the plant of M/s Gobind Sugar Mills Limited Unit Distillery. under Air Act 1981. It is being authorised for said emissions, as per the standards, in environment, by the Board as per enclosed conditions .
2. This consent is valid for the period from 01/01/2022 to 31/12/2023 .
3. In spite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 21 (6) of the Air (Prevention and Control of Pollution) Act, 1981 as amended.
This consent is being issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board

Chief Environment Officer C-5, UPPCB, Lucknow.

Enclosed : As above
(condition of consent):

Copy to: Regional Officer, UPPCB, Lucknow

Chief Environment Officer C-5, UPPCB, Lucknow.

U.P. Pollution Control Board

Dated : 23/12/2021

CONDITIONS OF CONSENT

1(a). The details of Air pollution sources and stacks attached with Boiler

Air Pollution Source Details					
S.No	Air Pollution Source	Type of Fuel	Stack No.	Parameters	Height
1	Slop Boiler 35 TPH	Slop and Bagasse	01	Particulate Matter	Bag filter as APCS and stack Height of 80 meters from Ground Level.

1(b) The emissions by various stacks into the environment should be as per the norms of the Board .

Emission Quality Details Detail			
S.No	Stack No	Parameter	Standard
1	1	Particulate Matter	150 mg/NM3

- The equipment for air pollution control system and monitoring, as proposed by the industry and approved by the Board should be installed in their premises itself.
- Industry shall dispose the incineration boiler ash in such a manner so that there should not be any adverse impact on public health at large and on Soil, Water & Air environment.
- The modification or installation in the existing pollution control equipment shall be done only by prior approval of the Board.
- The operation of air pollution control system and maintenance be done in such a way that the quantity of pollutants shall be in accordance with the standards prescribed by the Board/MoEF& CC/or otherwise mandatory.
- Unit shall do provisions for control of fugitive emissions from process as per the norms of the Board/MOEF & CC/or otherwise mandatory.
- The unit shall submit the stack emissions monitoring report within one month from issuance of consent order along with the point wise compliance report of the consent order. Further quarterly monitoring report analysed by Board/NABL accredited laboratory shall be submitted.
- In case of closure directions under section-5 of E (P) Act, 1986 issued by CPCB, this consent will be automatically suspended during the closure period, and will be automatically reinstated with specific conditions as per CPCB revocation orders.
- Industry shall develop and maintain green belt as per the guidelines issued by the Board vide office order dated 16/02/2018, which is available on Board's Website- www.uppcb.com.
- Industry shall submit Environment Statement to this Board as per provision of Environment (Protection) amendment Rule, 1993 for the previous year ending 31st March on or before 30th September every year.
- Industry shall abide by orders / directions issued by Hon'ble Supreme court, Hon'ble High Court, Hon'ble National Green tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.

The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

Specific Conditions:

- 1- This Consent to Operate is valid 100 KLD using B-heavy molasses/Sugar Syrup and 100 KLD using C-heavy molasses for the production of Rectified Spirit, Extra Neutral Alcohol, Ethanol and Absolute alcohol.
- 2- Unit shall submit the ambient air quality report and stack report of the air pollution sources from laboratory authorized from MOEF & CC on quarterly basis.
- 3- Unit shall comply with the directions of Hon'ble Supreme Court, Hon'ble NGT passed by time to time.
- 4- Unit shall operate and maintain the APCS i.e., bag filter and stack height of 80 meter above the ground level installed in the slop boiler of 35 TPH.
- 5- Unit shall maintain the installed online emission monitoring system at 35 TPH slop boiler and maintain the records, and ensure the connectivity to the servers of CPCB and UPPCB.
- 6- Unit shall ensure that ambient air quality of nearby areas is not adversely affected due to operation and emissions of the unit.
- 7- Unit shall comply the provisions of Air (Prevention and Control of Pollution) Act 1981 as Amended and Environment (Protection) Act 1986, and direction issued by Hon'ble National Green Tribunal, New Delhi in Order dated 13.07.2017 in OA no. 200/2014, M.C. Mehta v/s Union of India.
- 8- The overall noise levels in and around 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 level shall conform to the standards under the Environment (Protection) Act 1986.
- 9- Unit shall use Bio-briquette as co-fuel with main fuel in the ratio of minimum 20 percent in boiler subject to its availability.
- 10- Unit shall develop Green Belt in minimum 33 percent area of Industrial Premises as per the provisions laid down in office order no. H16405/220/2018/02 dated 16-02-2018 of U.P. Pollution Control Board. The copy of said office order is available on the website of U.P. Pollution Control Board www.uppcb.com.
- 11- Fly ash shall be stored separately as per CPCB guidelines so that it does not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with storm water. Fly Ash generated from the Boiler shall be utilized for preparation of manure and its record of disposal shall be maintained.
- 12- If closure order is issued by CPCB or UPPCB against the unit, then this CTO will remain suspended during the closure period and after ensuring the compliance and after revocation of closure order, the CTO will automatically be effective from the date of issuance of closure order revocation, with additional conditions mentioned in the closure revocation order.

This is issued with the prior approval of the competent authority.

Issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board .

Chief Environment Officer C-5, UPPCB, Lucknow.



UTTAR PRADESH POLLUTION CONTROL BOARD
Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831, Fax:0522-2720764, Email: info@uppcb.com, Website: www.uppcb.com

CONSENT ORDER

Ref No. -
144336/UPPCB/Lucknow(UPPCBRO)/CTO/wate
r/LAKHIMPUR KHIRI/2021

Dated : 23/12/2021

To ,

Shri ALOK SAXENA
M/s Gobind Sugar Mills Limited Unit Distillery
Village Khamaria Pandit, Aira Estate, Tehsil Dhaurahara, District Kheri (U.P.), LAKHIMPUR

KHIRI,1

LAKHIMPUR KHIRI

Sub : Consent under Section 25/26 of The Water (Prevention and control of Pollution) Act, 1974 (as amended) for discharge of effluent to M/s. Gobind Sugar Mills Limited Unit Distillery

Reference Application No :14354001

Dated :23/12/2021

1. For disposal of effluent into water body or drain or land under The Water (Prevention and control of Pollution) Act, 1974 as amended (here in after referred as the act) M/s. Gobind Sugar Mills Limited Unit Distillery is hereby authorized by the board for discharge of their industrial effluent generated through ETP for irrigation/river through drain and disposal of domestic effluent through septic tank/soak pit subject to general and special conditions mentioned in the annexure ,in refrence to their foresaid application .
2. This consent is valid for the period from 01/01/2022 to 31/12/2023 .
3. In spite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 27(2) of the Water (Prevention and Control of Pollution) Act, 1974 as amended .

This consent is being issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board

Chief Environment Officer-5

Enclosed : As above
(condition of consent):

Copy to: Regional Officer, Uttar Pradesh Pollution Control Board, Lucknow.

Chief Environment Officer-5

U.P. POLLUTION CONTROL BOARD, LUCKNOW

Annexure to Consent issued to M/s.Gobind Sugar Mills Limited Unit Distillery vide

Consent Order No. 14354001/ Water

Dated : 23/12/2021

CONDITIONS OF CONSENT

1. This consent is valid only for the approved production capacity of 100 KLD using B-heavy molasses/Sugar Syrup and 100 KLD using C-heavy molasses for the production of Rectified Spirit, Extra Neutral Alcohol, Ethanol and Absolute alcohol..
2. The quantity of maximum daily effluent discharge should not be more than the following :

Effluent Discharge Details			
S.No	Kind of Effluent	Maximum daily discharge,KL/day	Treatment facility and discharge point
1	Domestic	20 KLD	Septic Tank
2	Industrial	Zero liquid Discharge (ZLD)	ETP

3. Arrangement should be made for collection of water used in process and domestic effluent separately in closed water supply system. It should be ensured that domestic effluent should not be discharged in storm water drain.
- 4(a) The domestic effluent should be treated in treatment plant so that the treated effluent should be in conformity with the following norms.

Domestic Effluent		
S.No	Parameter	Standard

5. The other pollutant for which norms have not been prescribed, the same should not be more than the norms prescribed for the water used in manufacturing process of the industry.
6. The method for collecting industrial and domestic effluent and its analysis should be as per legal Indian standards and its subsequent amendments/standards prescribed under the Environment (Protection) Act, 1986.
7. The industry shall not discharge any trade effluent outside the premises and Zero Liquid Discharge (ZLD) shall be maintained all the time.
8. Molasses shall not be stored in kachcha pits.
9. If UPPCB or CPCB issues closure order against the industry, this consent shall remain suspended for the period till closure order is revoked, after which the consent will be effective again for the remaining period.
10. The unit should be operated in such a way so that there is no adverse impact on public and environment.
11. Unit must maintain on line connectivity of mass flow meters at the inlet and outlet of MEE and web cameras installed at the final outlet, MEE and Bio Compost yard and connected with server of CPCB and UPPCB.
12. The unit shall ensure deployment of qualified staff for self monitoring mechanism on 24 X7 hours basis.
13. Volume of spent wash shall be reduced to 40 % minimum and solid concentration shall be maintained minimum 30% at the outlet of MEE.
14. Unit shall identify recipient drains/rivulets and their upstream & downstream locations in consultation with UPPCB and shall carry out monthly monitoring of identified recipient drains at upstream & downstream location through recognized lab under Environment (Protection) Act, 1986 and shall submit the analysis report on monthly basis by 10th of every month to CPCB and UPPCB.
15. The storage facility provided for spent wash shall be properly lined and made impermeable and the storage capacity at any stage shall not exceed 07 days equivalent of production in case of incineration boiler and 30 days equivalent of production in case of bio composting.

16. Industry shall submit Environment Statement to this Board as per provision of Environment (Protection) amendment Rule, 1993 for the previous year ending 31st March on or before 30th September every year.
17. Industry shall ensure to send monthly reports regarding spent wash storage and details of spent wash in each lagoon constructed in industry.
18. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

Specific Conditions:

1- This Consent to Operate is valid 100 KLD using B-heavy molasses/Sugar Syrup and 100 KLD using C-heavy molasses for the production of Rectified Spirit, Extra Neutral Alcohol, Ethanol and Absolute alcohol.

2- The unit shall comply with the directions issued by UPPCB vide letter number 70/UPHOC5/EIA/Lakhimpurkhiri/2021 dated 08-12-2021 and shall submit adequacy report on the Zero Pollution Load plan submitted by the unit on production validation study done by reputed institution such as NSI, Kanpur, VSI, Pune & or any IIT. (Third Party Institutes empaneled by U.P. Pollution Control Board) within 3 months.

3- Spent wash shall be concentrated in MEE and concentrated spent wash shall be incinerated through slop boiler of 35 TPH and bio composting is not allowed.

4- Unit shall restrict lined storage capacity to 07 days of concentrated spent wash.

5- Unit shall identify recipient drains/ rivulets and their u/s & d/s location in consultation with UPPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (Protection) Act, 1986 and shall submit the analysis report on monthly basis by 10th of every month to CPCB and UPPCB.

6- Unit must strictly maintain zero liquid discharge of effluent outside premises into drain/river/water body and on land.

7- Unit shall operate and maintain mass flow meter at inlet and outlet of MEE and web camera and shall ensure on line connectivity of flow meter and web camera with server of CPCB and UPPCB.

8- Unit shall develop Green Belt in minimum 33 percent area of Industrial Premises as per the provisions laid down in office order no. H16405/220/2018/02 dated 16-02-2018 of U.P. Pollution Control Board. The copy of said office order is available on the website of U.P. Pollution Control Board www.uppcb.com.

9- Process effluent / any waste water shall not be allowed to mix with storm water. Storm water drain shall be passed through pond.

10- The overall noise levels in and around 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 level shall conform to the standards under the Environment (Protection) Act 1986.

11- Unit shall comply the provisions of Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016 and shall obtain authorization for disposal of hazardous waste.

12- Unit shall comply the provisions of Water (Prevention and Control of Pollution) Act 1974 as Amended and Environment (Protection) Act 1986, and direction issued by Hon'ble National Green Tribunal, New Delhi in Order dated 13.07.2017 in OA no. 200/2014, M.C. Mehta v/s Union of India.

13- Unit shall submit ground water quality monitoring report done by MoEF & CC approved laboratory within 3 months.

14- This CTO is valid for the operation of 365 days in a year.

15- Unit shall comply with the conditions of NOC issued by ground water department Govt. of Uttar Pradesh for abstraction of ground water.

16- If closure order is issued by CPCB or UPPCB against the unit, then this CTO will remain suspended during the closure period and after ensuring the compliance and after revocation of closure order, the CTO will automatically be effective from the date of issuance of closure order revocation, with additional conditions mentioned in the closure revocation order.

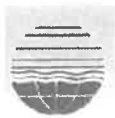
This is issued with prior approval of competent authority.

Issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board .

Chief Environment Officer-5

Hazardous Authorization



UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Ref. No : 11561/UPPCB/Lucknow(UPPCBRO)/HWM/LAKHIMPUR KHIRI/2020 Dated:
07/04/2020

To,

M/s GOBIND SUGAR MILLS LIMITED UNIT DISTILLERY

Vill - Khamaria Pandit, Aira, Estate District - Lakhimpur Kheri ,LAKHIMPUR KHIRI,262722

Tehsil :Dhaurahara

District :LAKHIMPUR KHIRI

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

1. Number of authorization and date of issue 11561 and 07/04/2020 .
2. Reference of application (No. and date) 8062256 and 25/02/2020 .
3. Mr ALOK SAXENA of M/s GOBIND SUGAR MILLS LIMITED UNIT DISTILLERY is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at Vill - Khamaria Pandit, Aira Lakhimpur Khiri .

Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	Used Oil and Grease (Sch.-1, Cat.-5.1)	To be burnt in Boiler after mixing with baggase.	1.0 Ton/Annum

1. The authorization shall be valid for a period of 06/04/2025 from the date of issue of this letter .
2. The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any) .

A General Conditions of Authorization -

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under .
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board .
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization .
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation .
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time .
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty .

7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility .
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation .
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained .
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation .
11. The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
12. An application for the renewal of an authorisation shall be made as laid down under these Rules .
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time .
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year .

B Specific Conditions of Authorization

1. You are directed to install the display board outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises. Necessary compliance shall be sent within 15 days of receipt of this letter.
2. The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers / bags shall be provided with a general label. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
3. The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested. Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
4. An application for the renewal of an authorization shall be made in form 1, before its expiry as laid down in rule. It is further brought to your notice that as per the order dated 14-11-2003 passed by the Hon'ble Supreme Court in W.P. (c) No. 657 of 1995, no industry covered under Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 shall be allowed to operate without valid authorization. It is also provided in the same orders that industries which are not complying with the conditions of authorization shall not be allowed to operate. Hence in case you fail to apply for authorization, before its expiry or fail to comply with conditions of the earlier authorization issued to you, closure order shall be issued against your industry without any further notice.
5. The applicant must file returns on prescribed Form 4 along with a compliance report of this letter and should also maintain records on Form 3 and present it to Board's inspecting officials.
6. In case of occurrence of an accident, complete details on form must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
7. The authorized person shall not receive, collect, or store any hazardous waste from any unauthorized occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any

other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorization of the Board.

8. In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers, of hazardous chemicals such as flammable corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.

9. It is within the powers and functions of the U.P. Pollution Control Board to modify / revoke the terms and conditions of the authorization issued under the Rule – 7 of Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.

10. It is the mandatory duty of the authorized person to comply with the guidelines for transportation of hazardous waste in accordance with rule 18 of Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016.

11. It should be ensured that hazardous wastes shall be properly collected and packed in HDPE bags and then temporarily stored in a lined RCC tank/pit with suitable shed.

12. An ETP sludge/salt test report of a laboratory approved under E.P. Act shall be submitted along with compliance of this letter of this office.

13. Used oil shall be sold only to recyclers registered with U.P. Pollution Control Board. The record shall be maintained.

14. The occupier, transporter and operator of a facility shall be liable for damages caused to the environment resulting due to improper handling and disposal of hazardous waste listed in schedule 1,2, and 3 and shall be liable to pay a fine as levied by the State Pollution Control Board under the rules.

15. You shall have the valid membership of any common TSDF for S.L.F. (M/S U.P. Waste Management Project Kumbhi Kanpur Dehat or M/s Bharat Oil and Waste Management Ltd., Kumbhi, Akbarpur, Kanpur Dehat. permitted by U.P.P.C.B.), and start sending the stored hazardous wastes for final disposal to the TSDF and report back to U.P.P.C.B. with the required manifesto (document of proof) within three month of this letter. The authorized incinerator is with M/s Bharat Oil Company, Sahibabad, Ghaziabad for oily waste and paint sludge only.

16. You are required to store the hazardous waste safely and send it to TSDF/incinerator within Ninety days

17. This authorization is valid till the industry is having valid consent as per the provisions of Air (Prevention and Control of Pollution) Act 1981 and Water (Prevention and Control of Pollution) Act, 1974.

(Authorized Signatory)

UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, Lucknow for information and necessary action .

CEO/EE, I/C Circle_____

Test Reports



ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory: 2/261, Vishwas Khand, Gomti Nagar, Lucknow- 226 010 (U.P.)

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ETRC/PM14/TEST-REP/FT/37

TEST REPORT AMBIENT AIR QUALITY MONITORING REPORT

Test Report Ref No. ETRC/EPA/5642/2022		Date of Report: 27/01/2022	
Name /Address/Type of Industry		M/s Gobind Sugar Mills Limited Unit: Distillery Village: Khamaria Pandit, Aira Estate, Tehsil: Dhaurahra District: Lakhimpur Kheri (U.P.) - 262722	
Monitored by		ETRC, Lucknow	
Location of Sampling point		Near Main Gate (Factory)	
Sr. No.	GENERAL OBSERVATIONS	DETAILS-PM ₁₀	DETAILS-PM _{2.5}
1(a)	Weather conditions	Clear	Clear
(b)	Wind direction	West to East	West to East
(c)	Average humidity (%)	58	58
(d)	Average ambient temperature (°C)	20	20
(e)	Time of Sampling Started (Hours)	09:28 am (23.01.2022)	09:28 am (23.01.2022)
(f)	Time of Sampling completed (Hours)	09:19 am (24.01.2022)	09:19 am (24.01.2022)
(g)	Total time of sampling (Minutes)	24 hour (1427 minutes)	24 hour (1427 minutes)
2	Average sampling rate for PM (m ³ /minute)	1.155	NA
3	Average sampling rate for gas (LPM)	0.5	NA
4	TOTAL VOLUME OF AIR SAMPLED • PM (m ³) • GAS (liter)	• 1647.954 • 713.4	• 23.776

TEST RESULT


Sr. No.	Particulars	Protocol	Unit	Result	Range of testing /limit of detection	Standard as per NAAQS ; dated 18/11/ 2009
1	Particulate matters size less than 10 µm (PM ₁₀)	IS: 5182 (Part - 23): 2006 Reaffirmed: 2017	µg/m ³	81.2	5.0 - 1200	For 24 hour =100
2	Particulate matters size less than 2.5 µm (PM _{2.5})	IS: 5182 (Part - 24): 2019	µg/m ³	51.73	2.0 - 500	For 24 hour =60
3	Sulphur Dioxide (SO ₂)	IS: 5182 (Part - 02): 2001 Reaffirmed: 2017	µg/m ³	14.25	5.0 - 1050	For 24 hour =80
4	Oxides of Nitrogen (NO _x)	IS: 5182 (Part - 06): 2006 Reaffirmed: 2017	µg/m ³	21.08	6.0 - 750	For 24 hour =80

..... END OF REPORT.....

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Authorized Signatory
(Sandeep Kr Verma)
Lab-Incharge




Authorized Signatory
(Ritu Garg)
QM



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ETRC/PM14/TEST-REP/FT/37

TEST REPORT AMBIENT AIR QUALITY MONITORING REPORT

Test Report Ref No. ETRC/EPA/5643/2022		Date of Report: 27/01/2022	
Name /Address/Type of Industry		M/s Gobind Sugar Mills Limited Unit: Distillery Village: Khamaria Pandit, Aira Estate, Tehsil: Dhaurahra District: Lakhimpur Kheri (U.P.) - 262722	
Monitored by		ETRC, Lucknow	
Location of Sampling point		Village: Khamaria Pandit	
Sr. No.	GENERAL OBSERVATIONS	DETAILS-PM ₁₀	DETAILS-PM _{2.5}
1(a)	Weather conditions	Clear	Clear
(b)	Wind direction	West to East	West to East
(c)	Average humidity (%)	58	58
(d)	Average ambient temperature (°C)	20	20
(e)	Time of Sampling Started (Hours)	09:45 am (23.01.2022)	09:45 am (23.01.2022)
(f)	Time of Sampling completed (Hours)	09:30 am (24.01.2022)	09:30 am (24.01.2022)
(g)	Total time of sampling (Minutes)	24 hour (1424 minutes)	24 hour (1424 minutes)
2	Average sampling rate for PM (m ³ /minute)	1.165	NA
3	Average sampling rate for gas (LPM)	0.5	NA
4	TOTAL VOLUME OF AIR SAMPLED		
	• PM (m ³)	• 1659.426	• 23.741
	• GAS (liter)	• 712.2	

TEST RESULT


Sr. No.	Particulars	Protocol	Unit	Result	Range of testing /limit of detection	Standard as per NAAQS ; dated 18/11/ 2009
1	Particulate matters size less than 10 µm (PM ₁₀)	IS: 5182 (Part - 23): 2006 Reaffirmed: 2017	µg/m ³	79.4	5.0 - 1200	For 24 hour =100
2	Particulate matters size less than 2.5 µm (PM _{2.5})	IS: 5182 (Part - 24): 2019	µg/m ³	48.02	2.0 - 500	For 24 hour =60
3	Sulphur Dioxide (SO ₂)	IS: 5182 (Part - 02): 2001 Reaffirmed: 2017	µg/m ³	12.13	5.0 - 1050	For 24 hour =80
4	Oxides of Nitrogen (NO _x)	IS: 5182 (Part - 06): 2006 Reaffirmed: 2017	µg/m ³	16.82	6.0 - 750	For 24 hour =80

..... END OF REPORT.....

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(Sandeep Kr Verma)
Lab-Incharge




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(Ritu Garg)
QM



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ETRC/PM14/TES-REP/FT/37

TEST REPORT AMBIENT AIR QUALITY MONITORING REPORT

Test Report Ref No. ETRC/EPA/5644/2022		Date of Report: 27/01/2022	
Name /Address/Type of Industry		M/s Gobind Sugar Mills Limited Unit: Distillery Village: Khamaria Pandit, Aira Estate, Tehsil: Dhaurahra District: Lakhimpur Kheri (U.P.) - 262722	
Monitored by		ETRC, Lucknow	
Location of Sampling point		Village: Samalsa	
Sr. No.	GENERAL OBSERVATIONS	DETAILS-PM ₁₀	DETAILS-PM _{2.5}
1(a)	Weather conditions	Clear	Clear
(b)	Wind direction	West to East	West to East
(c)	Average humidity (%)	58	58
(d)	Average ambient temperature (°C)	20	20
(e)	Time of Sampling Started (Hours)	09:58 am (23.01.2022)	09:58 am (23.01.2022)
(f)	Time of Sampling completed (Hours)	09:42 am (24.01.2022)	09:42 am (24.01.2022)
(g)	Total time of sampling (Minutes)	24 hour (1421 minutes)	24 hour (1421 minutes)
2	Average sampling rate for PM (m ³ /minute)	1.145	NA
3	Average sampling rate for gas (LPM)	0.5	NA
4	TOTAL VOLUME OF AIR SAMPLED		
	• PM (m ³)	• 1626.816	• 23.678
	• GAS (liter)	• 710.4	

TEST RESULT

Sr. No.	Particulars	Protocol	Unit	Result	Range of testing /limit of detection	Standard as per NAAQS ; dated 18/11/ 2009
1	Particulate matters size less than 10 µm (PM ₁₀)	IS: 5182 (Part - 23): 2006 Reaffirmed: 2017	µg/m ³	77.2	5.0 - 1200	For 24 hour =100
2	Particulate matters size less than 2.5 µm (PM _{2.5})	IS: 5182 (Part - 24): 2019	µg/m ³	44.77	2.0 - 500	For 24 hour =60
3	Sulphur Dioxide (SO ₂)	IS: 5182 (Part - 02): 2001 Reaffirmed: 2017	µg/m ³	11.59	5.0 - 1050	For 24 hour =80
4	Oxides of Nitrogen (NO _x)	IS: 5182 (Part - 06): 2006 Reaffirmed: 2017	µg/m ³	16.20	6.0 - 750	For 24 hour =80

..... END OF REPORT.....

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ETRCPM14/TES-REP/FT/37

TEST REPORT AMBIENT AIR QUALITY MONITORING REPORT

Test Report Ref No. ETRC/EPA/5645/2022		Date of Report: 27/01/2022	
Name /Address/Type of Industry		M/s Gobind Sugar Mills Limited Unit: Distillery Village: Khamaria Pandit, Aira Estate, Tehsil: Dhaurahra District: Lakhimpur Kheri (U.P.) - 262722	
Monitored by		ETRC, Lucknow	
Location of Sampling point		Village: Samardahari	
Sr. No.	GENERAL OBSERVATIONS	DETAILS-PM ₁₀	DETAILS-PM _{2.5}
1(a)	Weather conditions	Clear	Clear
(b)	Wind direction	West to East	West to East
(c)	Average humidity (%)	58	58
(d)	Average ambient temperature (°C)	20	20
(e)	Time of Sampling Started (Hours)	10:05 am (23.01.2022)	10:05 am (23.01.2022)
(f)	Time of Sampling completed (Hours)	09:54 am (24.01.2022)	09:54 am (24.01.2022)
(g)	Total time of sampling (Minutes)	24 hour (1428 minutes)	24 hour (1428 minutes)
2	Average sampling rate for PM (m ³ /minute)	1.140	NA
3	Average sampling rate for gas (LPM)	0.5	NA
4	TOTAL VOLUME OF AIR SAMPLED		
	• PM (m ³)	• 1627.92	• 23.796
	• GAS (liter)	• 714.0	

TEST RESULT

Sr. No.	Particulars	Protocol	Unit	Result	Range of testing /limit of detection	Standard as per NAAQS ; dated 18/11/ 2009
1	Particulate matters size less than 10 µm (PM ₁₀)	IS: 5182 (Part - 23): 2006 Reaffirmed: 2017	µg/m ³	74.8	5.0 - 1200	For 24 hour =100
2	Particulate matters size less than 2.5 µm (PM _{2.5})	IS: 5182 (Part - 24): 2019	µg/m ³	43.28	2.0 - 500	For 24 hour =60
3	Sulphur Dioxide (SO ₂)	IS: 5182 (Part - 02): 2001 Reaffirmed: 2017	µg/m ³	11.23	5.0 - 1050	For 24 hour =80
4	Oxides of Nitrogen (NO _x)	IS: 5182 (Part - 06): 2006 Reaffirmed: 2017	µg/m ³	15.42	6.0 - 750	For 24 hour =80

..... END OF REPORT.....

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ETRC/PM14/TES-REP/FT/36

TEST REPORT STACK EMISSION MONITORING AND ANALYSIS REPORT

Test Report Ref No. ETRC/EPA/5646/2022		Date of Report: 27/01/2022
Name /Address/Type of Industry		M/s Gobind Sugar Mills Limited Unit: Distillery Village: Khamaria Pandit, Aira Estate Tehsil: Dhaurahra District: Lakhimpur Kheri (U.P.) - 262722
Monitored by		ETRC, Lucknow
Sr. No.	GENERAL INFORMATION	DETAILS
1.(a)	Date of monitoring	23.01.2022
(b)	Stack material	RCC
(c)	Height of stack from ground level	80 meter
(d)	Source to which stack attached	Boiler (35 TPH)
(e)	No of Source attached with capacity	01 No.
(f)	Type and quantity of fuel used	Bagasse & Slop
(g)	Details of APCS installed	Bag Filters
2.	PARAMETERS	VALUES
(a)	Ambient temperature (°C)	16.0
(b)	Stack gas temperature (°C)	121.0
(c)	Stack gas velocity (m/sec)	11.31
(d)	Flow rate (LPM)	16
(e)	Sampling time (minutes)	64
(f)	Volume of air sampled (liters)	1024

TEST RESULT

Sr. No.	Parameter	Unit	Protocol	Result	Range of Testing / Limit of Detection	Standard (as per CPCB)
1	Particulate Matter	mg/Nm ³	IS: 11255 (Part-1): 1985 Reaffirmed: 2019	78.2	2.0 - 1000	150

..... END OF REPORT.....

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ISO 9001:2015, ISO 14001 : 2015, OHSAS 18001 : 2007

An Approved Laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

TEST REPORT AMBIENT NOISE MONITORING AND ANALYSIS REPORT

Test Report Ref No. ETRC/EPA/5647/2022		Date of Report: 27/01/2022	
Name /Address/Type of Industry		M/s Gobind Sugar Mills Limited	
		Unit: Distillery	
		Village: Khamaria Pandit, Aira Estate	
		Tehsil: Dhaurahra	
		District: Lakhimpur Kheri (U.P.) - 262722	
Monitored by		ETRC, Lucknow	
Sr. No.	GENERAL INFORMATION	DETAILS	
(a)	Date of monitoring	23/01/2022 (6:00 AM) to 24/01/2022 (6:00 AM)	
(b)	Sample Description	Ambient Noise	
(c)	Sampling Location	Near Admin Building	
(d)	Environmental Condition	Normal	

TEST RESULT

Ambient Noise Level				
Sr. No.	Parameter	Unit	Results	Results
			DAY TIME (6:00 AM – 10:00 PM)	NIGHT TIME (10:00 PM – 6:00 AM)
1	Equivalent sound level	dB(A)	61.12	49.26

Noise Standards as per CPCB Schedule rule 3(1) and 4(1)			
Area Code	Category of Area/Zone	Limits in dB(A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

..... END OF REPORT.....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow Jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.


Authorized Signatory
(Sandeep Kr Verma)
Lab-Incharge




Authorized Signatory
(Ritu Garg)
QM

UPGWD NOC



GROUND WATER DEPARTMENT
(Namami Gange & Rural Water Supply Department)
 Ministry of Jal Shakti
 Government of Uttar Pradesh

Form 8 (E)

[See rules 15(2)]

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER)

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: REG025947

VALID FROM 21/05/2022 TO 20/05/2027

Registration No.: 202204000391

Name of the Owner	SANJAY SINGH		
Address of the Applicant	Vill - Khamaria Pandit, Aira, Estate District - Lakhimpur Kheri U.P.	Application Form Serial No.	LMPK0422RIN0051
Date of Submission	15/04/2022	Specimen Signature	
Company Name	Gobind Sugar Mills Limited Unit Distillery	Company Address	VILLAGE: KHAMARIA PANDIT, AIRA ESTATE, TEHSIL: DHA

Location Particulars

District	Lakhimpur Kheri	Block	ISANAGAR
Plot No./Khasra No.	Land Details Enclosed.	Municipality/Corporation	No
Ward No./Holding No.			Land Details Enclosed.

Particular of the Existing Well and Pumping Device

Date of Construction/Sinking of the Well	12/02/2017		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	90.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube Well)			
Type of Pump Used	Submersible	H.P. of the Pump	50.00
Operational Device	Electric Motor	Rate of Withdrawal (m³/hr.)	124.00
Date of Energization (In Case of Electric Pump)		12/02/2017	
Maximum Allowable Rate of Withdrawal (m³/hr.):	124.00	Maximum Allowable Running Hours Per Day:	5.00
Maximum Allowable Annual Extraction of Ground Water:	223200	Recharge Required	0.00
Reason for renewal of N.O.C.	CGWA NOC expiry- 19/05/2022 एन.ओ.सी. के नवीनीकरण का कारण		

Against Case

- This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at Sl. (3) for extraction of ground water at a rate not exceeding that as shown at Sl. (3j), for Running Hours per day as shown at Sl. (3k), and for maximum allowable annual extraction of ground water as shown at Sl. (3k) and is valid subject to the observance of the conditions stated overleaf.
- Holder of this NOC is hereby directed to assure annual recharge of 0.00 cubic meter, as specified under the application form.

Conditions

- (1) In case of any change of ownership of the proposed well, fresh authorization 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 SL (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 authorization.
- (3) For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- (4) The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands.
- (5) In case of any change of ownership of the existing well, fresh registration has to be obtained.
- (6) No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI. (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 registration.
- (7) In case, any of the particulars / information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- (8) The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- (9) Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis.
- (10) Guidelines for Installation of Piezometers and their Monitoring
- Piezometer is a borewell /tube well used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing whenever needed. General guidelines for installation of piezometers are as follows for compliance of NOC:
 - The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
 - The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometer are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
 - No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

S.No	Quantum of Ground water withdrawal (cum/day)	No. of piezometers required	Monitoring Mechanism	
			Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	1	1	0
3	50- 500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter up to two decimals.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone tapped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 lt. capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site-specific requirement regarding safety and access for measurement may be taken care of.
- (11) Any other condition(s) that may be imposed by the concerned Authority.
- (12) 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.
- **SPECIFIC CONDITIONS:**
- (A) **For Industrial User:** No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
 - i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
 - ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.

- iii) All industries abstracting ground water in excess of 100 m³/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC)/ PHD Chamber of Commerce & Industries certified auditors and submit audit reports within three months of completion of the same to Ground Water Department, Uttar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m³/day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) **Infrastructural User:** The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
 - i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
 - ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m³/day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

Date :16/06/2022

Place:Lakhimpur Kheri

This certificate is electronically generated and does not require digital signature