

A B SUGARS LTD. (Sugar Division)

Vill. Randhawa, P.O. Panwan
Dasuya, Distt. Hoshiarpur
144205, Punjab

Environment Audit Report & Environmental Statement for F.Y. 2023-24



Prepared By:

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Punjab Pollution Control Board

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R4 ENVIRO

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ACKNOWLEDGEMENT

First of all I am grateful to the management of A.B. Sugars Ltd. (Sugar Division) for providing us an opportunity to be a part of it by assigning the job regarding preparation of Environment Audit Report & Environmental Statement for the financial year 2023 – 24.

I wish to express my sincere thanks to Sh. Balwant Singh Grewal, President for his constant support & encouragement.

I place on record, my sincere gratitude to Sh. Desh Raj Thakur, Assistant General Manager for providing necessary documents and technical support.

I take this opportunity to record my sincere thanks to all the team members of R4 Enviro Pvt. Ltd., Environmental Consultants for helping me for analyzing the data, typing and preparation of the report with their best efforts.



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CHARTERED ENGINEER (PPCB)
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R4 Enviro Private Limited
Environmental Consultants

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CHAPTER – 1

INTRODUCTION

1.1 OVERVIEW

Environmental regulations are becoming increasingly complex and costly for both private and public sector regulated entities as rapid industrialization and urbanization has caused environment degradation of varied nature. Degradation of Environment poses great threat to eco-system and general health of public. There is need to take effective steps by an individual entrepreneur to arrest environment degradation. Federal agencies, however, differ from the private sector in how they must comply with those regulations. Thus, Federal agencies are being asked to do more with less -- comply with all applicable environmental regulations while utilizing fewer resources to accomplish the goal of full compliance. An environmental audit is one tool that an industry can use to comply with the regulations, as well as to improve the efficiency of operations and conserve limited fiscal and labour resources. A number of factors must be considered when designing and implementing an environmental audit program. In developing an effective audit program, an agency environmental manager must always remain aware that:

- (1) the audit program should complement and contribute to the company mission
- (2) securing funding for the audit program and the implementation of audit findings must be an integral part of the agency budgeting process.

1.2 EPA'S 1986 ENVIRONMENTAL AUDIT POLICY

The U.S. Environmental Protection Agency (EPA) recognizes that environmental auditing -- and sound environmental management generally -- can provide potentially powerful tools toward protection of public health and the environment. In encouraging the use of these tools, EPA has announced the "Environmental Auditing Policy Statement" on July 9, 1986 (51 FR 25004) (1986 audit policy) and the "Incentives for Self-Policing: Discovery, Disclosure,

Correction and Prevention of Violations” on December 22, 1995 (60 FR 66706) (1995 or final audit or self-policing policy).

The 1986 audit policy states that “it is EPA policy to encourage the use of environmental auditing by regulated industries to help, achieve and maintain compliance with environmental laws and regulation, as well as to help identify and correct unregulated environmental hazards.” The policy also specifically endorses environmental auditing at federal facilities.

In the 1986 policy, EPA defines environmental auditing as “a systematic, documented, periodic, and objective review of facility operations and practices related to meeting environmental requirements.”

The policy identifies several objectives for environmental audits: -

- Verifying compliance with environmental requirements
- Evaluating the effectiveness of in-place environmental management systems; and
- Assessing risks from regulated and unregulated materials and practices.

1.3 DEFINITION - ENVIRONMENTAL AUDIT

The environmental audit is a management tool consisting of a systematic, documented, periodic and objective evaluation of environmental performance, management systems and equipment with the aim of firstly, facilitating management control of environmental practices and secondly, assessing compliance with an operation’s or activity’s environmental policies, including meeting regulatory requirements. Examples include:

- internal auditing of systems and procedures for measuring, recording and reporting performance data
- independent validation of systems and procedures for measuring, recording, and reporting performance data

- Independent evaluations and commentaries by external experts regarding an organisation's economic, environmental, and social performance and/or management processes.

1.4 ENVIRONMENTAL AUDITING – BACKGROUND

There is increasing need for companies to demonstrate good environmental management practice to a wide range of interested parties. ISO 14001 and the EU's voluntary Eco-Management and Audit Scheme [EMAS] require that participating organisations have their environmental performance measured and verified.

Environmental auditing is not a legal requirement under any specific law or regulation. Rather, it is a proactive management tool that is used to consciously identify environmental problems before they occur in order to take preventative measures. Environmental auditing is an internal management tool for use by an organization or activity in carrying out its environmental management responsibilities.

Auditing is a long-established tool commonly used to evaluate and monitor financial and production performance. In recent years, the audit tool has been adapted to workplace environmental programs, systems and practices to evaluate their effectiveness and to identify deficiencies that require corrective action.

Auditing all or part of that system can measure the performance of a company's environmental management system. The results of such audits can assist companies in demonstrating their commitment to continuously improving their environmental performance. Full commitment from senior company management is essential if the audit process is to be a success. This commitment requires an involvement and interest in the whole audit process. The environmental audit is a voluntary action which can be undertaken by the manager of an organization or activity or by a third party and which serves as an instrument for managing and monitoring the environment.

1.5 WHY ENVIRONMENTAL AUDIT IS REQUIRED?

An environmental audit can provide valuable information to help a company to meet the agreed standards of environmental performance (which should be defined in company policy) and stay ahead of the requirements placed on them by law.

The possible functions and benefits of an environmental audit are:

Management

- Demonstrate a visible commitment to improving an organisation's environmental performance.
- Use as a basis for the development of environmental management policies or efforts to improve existing plans.
- Identify environmental risks, impacts and review of management controls and systems and associated liabilities, liabilities and risks from past and present activities of the site or surroundings and implementation of recommendations.
- Review process and plant operating procedures or activity's current environmental standards of operation and company environmental management procedures, including emergency response planning, monitoring and reporting systems and planning for future changes in Processes or Regulations.
- Increasing actions undertaken or needing to be undertaken by an organization or activity to meet environmental goals such as sustainable development, Responsible Care®, recycling and efficient use of resources.

Financial

- Prevention of financial losses: through remediation or the closure of an organization or activity; government restrictions or negative publicity caused by bad management or monitoring of the environment.
- Fair assessment of financial implications of environmental issues, liabilities and impact of new regulations.

- Highlight where costs can be saved (e.g. through energy conservation or minimisation, improved use of raw materials, process changes, waste reduction, reuse and recycling etc).

Legal

- To measure and improve an organization's or activity's compliance with environmental legislation and regulations such as operating permits, air emission standards, effluent standards, waste management standards, transport regulations, etc, thus avoiding legal sanctions against an organization or activity or its management under prevailing laws and regulations.
- Provision of evidence of the implementation of environmental management in court if requested.

Training

- To facilitate the sharing of best environmental practices and increase in the awareness of the management and staff of an organization regarding environmental policies and responsibilities.
- Assessment of training, knowledge and awareness of employees.

Reporting

- Provision of an environmental audit report for use by an organization, or activity in dealings with environmental groups, government and the mass media.
- Provision of information required by insurance companies, financial institutions, shareholders and other stakeholders.

It is also important to recognise the limitations of the audit process when deciding to conduct an environmental audit. The following points may be helpful to remember in this respect:

- An audit should not be used as a chance to tell the audited unit how to do their job
- It is not a technical investigation in itself (although can be used in support).
- It should not be used to provide a public statement of performance (although it may be used to back up and support any such statements made).

CHAPTER – 2

OBJECTIVE OF ENVIRONMENTAL STATEMENT

The Ministry of Environment, Forests & Climate Change (MOEF & CC) Govt. of India vide notification no. G.S.R. 329 (E) dated 13.03.1992 and G.S.R. 386 (E) dated 22.04.1993 made some amendments in the Environment (Protection) Rules, 1986 framed under Environment (Protection) Act, 1986.

Rule 14 of the above stated EPA rules reads as under: -

“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 or authorization under the Hazardous Wastes (Management and Handling) Rules, 1989 issued under the Environment (Protection) Act, 1986 (29 of 1986) shall submit an environmental statement for the financial year ending the 31st March in Form V to the concerned State Pollution Control Board on or before the thirtieth day of September every year, beginning 1993.”

According to the said rule, each and every industry is required to submit Environmental Statement by 30th September every year for the preceding financial year ending 31st March.

M/s A.B. Sugars Ltd. (Sugar Division) has engaged the services of Er. R.K. Gupta, Former S.E.E. and Chartered Engineer Punjab Pollution Control Board and has been recognised as Chartered Engineer by the PPCB. The consultant is Managing Director of M/s R4 Enviro Pvt. Ltd., Environmental Consultants who has engaged by the industry for preparing the Environmental Statement of the industry for the financial year 2023-24. The Environment Audit Report & Environmental Statement has been prepared in compliance to the provisions of the EPA, Rules 1986 as amended to date.

CHAPTER – 3

MANUFACTURING PROCESS

ABOUT THE INDUSTRY

M/s A.B. Sugars Ltd. (ABSL) has been promoted by the Wave Group M/s A.B. Sugars Ltd. (Sugar Mill Division) formerly known as M/s Guru Teg Bahadur Sugars Ltd. which was established in 1992-93 at Village Randhawa of Tehsil Dasuya in Distt. Hoshiarpur, Punjab. The Wave Group took over this mill from Punjab State Industrial Development Corporation (PSIDC) in 1997 under auction and the plant capacity was enhanced from 2500 TCD to 3500 TCD by installing modern machinery of latest technology in the year 2003-04. The company has also installed 10 MW cogeneration power plants in the same in the same premises. Now the capacity of sugar mill is 7000 TCD along with biomass based co-generation power plant of 33 MW.

MANUFACTURING PROCESS

The industry is engaged in the manufacturing of Sugar as main product and Bagasse & Molasses as by-product. The industry has manufactured Sugar @ 89444.50 Metric Tonnes, Bagasse @ 28407.85 Metric Tonnes & Molasses @ 47285 Metric Tonnes during the financial year 2023-24. The raw material used is Sugarcane @ 991548.255 Metric Tonnes during the financial year 2023-24.

The plant is following existing Double Sulphitation process with extraction of juice by straight milling. The basic process of manufacturing of sugar as following various process details of sugar manufacturing are as given below: -

1. Cane Unloading
2. Crushing
3. Milling
4. Clarification
5. Evaporation
6. Crystallization
7. Separation
8. Refining
9. Drying
10. Packing

The sugar manufacturing process involves cane reception/weighing/unloading and conveying preparation. The prepared sugar cane is fed into those tandems, which undergoes a series of extractions using roll mills or mallets, and all these mills have five V-type striped mallets. Bagasse from the last mill is conveyed to the steam boilers to be used as fuel by means of a carrier system consisting of bagasse elevator, bagasse conveyor and return bagasse conveyor.

The mixed juice from the milling plant is purified to remove suspended matters and maximum none sugar before the same is sent to evaporator without destroying sucrose & glucose. The operation is quite simple because the entrance and exit conditions, level of each evaporator, and extraction of vegetative vapour toward the exterior are established.

The evaporation is carried out in evaporators in which the vapour and juice are found in separate chambers that flow in the same direction. The juice goes from one evaporator to another with pumps known as “of transfer”.

The sugar crystals are separated from the concentrated syrup left in the centrifuges; cylindrical equipment that rotates at a high speed. The concentrated syrup passes through the fabric; the crystals are trapped within the centrifuges and then washed with water. The concentrated syrup (also known as molasses) is then returned to the containers or used as raw material for the production of alcohol in the distillery. The sugar is then transferred to the drying and cooling and packing process. Standard white and refined sugars are packed in bags of 50 KG.

The Flow Chart Diagram of Manufacturing Process is as per figure 3.1.

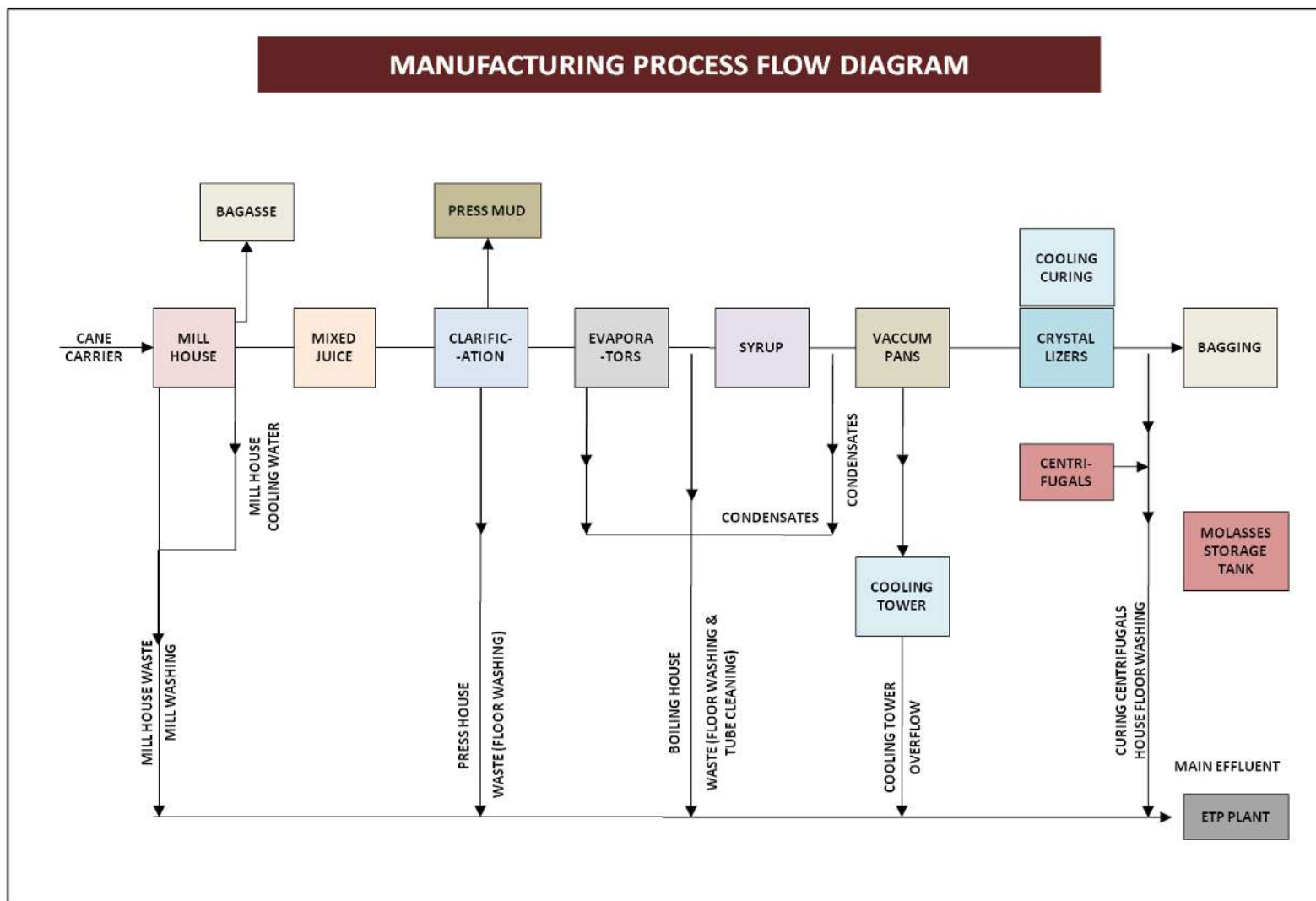


Fig. 3.1: - Manufacturing Process Flow Chart of Industry

CHAPTER – 4

WATER REQUIREMENT

The industry is using ground water for industrial process, cooling, boiler feed and domestic use. For the purpose, the industry has installed 03 Nos. tubewells as under: -

Sr. No.	Year of Construction	Depth (meters)	Diameter (mm)	Discharge m ³ /hr	Operational hours/day	H.P. of Pump	Whether fitted with water meter
1.	Tubewell/ 1997	350	200	75	3/135	40	Yes
2.	Tubewell/ 1997	350	200	75	3/135	40	Yes
3.	Tubewell/ 2003	350	200	75	2/135	40	Yes

- The total water consumption of the industry is @ 3,48,770 KL during the financial year 2023-24. The consumption of water for domestic use was @ 23,600 KL, the remaining consumption was for process use and for boiler feed/cooling etc. for 150 days during the financial year 2023-24.
- The industry has maintained record of ground water abstraction. Digital Water Flow water meters have been installed. Water meter readings are recorded on daily basis.

- Record of energy consumption for abstraction of ground water has also maintained by the industry.
- The industry has also maintained record of consumption of water for every activity.
- The industry has obtained Ad interim permission for extraction of ground water from Punjab Water Regulation & Development Authority (PWRDA) vide no. PWRDA/04/2021/L3/48 on dated 04.05.2021. The permission was granted for abstraction of 608 KLD of ground water. The copy of the NOC granted to the industry is enclosed herewith as per **Annexure – 4.1**. The industry has also applied for NOC regarding abstraction of ground water under the new direction dated 27/01/2023.



Annexure – 4.1



PUNJAB WATER REGULATION AND DEVELOPMENT AUTHORITY
SCO 149-152, SECTOR 17, CHANDIGARH – 160017

ad interim PERMISSION FOR EXTRACTION OF GROUNDWATER

Name of Unit	M/s A.B. Sugar Ltd. (Sugar Division)		
Activity of Unit:	Industrial		
Address of Unit:	Village Randhawa P.O. Panwan, Dasuya, Hoshiarpur.		PIN Code: 144205
Assessment Unit (Block):	Dasuya	Category: Yellow	
District:	Hoshiarpur		
Correspondence Address:	Village Randhawa P.O. Panwan, Dasuya, Hoshiarpur.		PIN Code: 144205
Unit ID	0470100036		
Permission Number	PWRDA/04/2021/L3/48		Dated: 04.05.2021
Project Status:	Existing Unit		
Permission Type:	ad-interim Permission		
Validity Period:	For a period of three months from the date of publication of the final guidelines by the Authority, or for three years from the date of grant of this <i>ad interim</i> permission, whichever is earlier.		
Ground Water Extraction Permitted: 608 m ³ /day			
Fresh Water		Saline Water	
m ³ /day	m ³ /month*	m ³ /day	m ³ /month*
608	18,240	-	-

*Note:- Month is taken as 30 days for calculation of charges.

Fees and Charges Paid:

A. Application Fees for Groundwater Extraction:

Volume of Groundwater Extraction Applied For per day (in m ³ /day)	Fees Deposited (in Rs.)
608	16,000/- (20% Covid-19 rebate applied)

B. Advance Deposit equivalent to two months of charges for the permitted quantity of groundwater extraction:

Category of Area	Extraction Permitted: (m ³ /day)	608	Amount Deposited (Rs.)
Yellow	Charges for two months		5,02,272/- (20% Covid-19 rebate applied)
	<10 m ³ /day	10-100 m ³ /day	
	3,600	75,600	5,48,640

C. Tube-well Registration Fee paid:

No. of existing tube-wells	No. of Proposed tube-wells	No. of total tube-wells	Registration Fee applicable per tube-well	Total Registration Fee Paid (Rs.)
03	Nil	03	10,000/-	24,000/- (20% Covid-19 rebate applied)

D. Total Amount Paid (Rs.):

Application Fee	Advance Deposit	Tube-well Registration Fee	Total (Rs.)
16,000/-	5,02,272/-	24,000/-	5,42,272/-

NOTE: This permission is granted in terms of the Draft Punjab Guidelines for Groundwater Extraction and Conservation published on November 12, 2020 under section 15 of the Punjab Water Resources (Regulation and Management) Act 2020 and is subject to the conditions given overleaf.

Dated: 4th May, 2021
Place: CHANDIGARH




Signature
J K Jain, A.O. Level-3
ਸੀਨੀਅਰ ਐਲੀਮੈਂਟ (ਪ੍ਰਬੰਧਨ ਤੇ ਤਾਕੀਮਤ)
ਪੰਜਾਬ ਸਭ ਨਿਯੰਤਰਣ ਅਤੇ ਵਿਕਾਸ ਅਥਾਰਟੀ



ad interim PERMISSION CONDITIONS

- 1) The permission is valid for a period of three months from the date of publication of the final guidelines by the Authority, or for three years from the date of grant of this ad interim permission, whichever is earlier. The unit will apply again for Permission within one month after the publication of the final Guidelines.
- 2) Since, this Permission has been issued on the basis of self-assessment by the applicant and without any site inspection or verification of documents submitted by the applicant, hence the Authority may inspect the unit and documents at any time. In case any material difference is found in the information submitted and the site conditions or documents, the Authority may suspend the permission granted immediately and may revoke or modify the permission after giving a notice to the Unit.
- 3) The unit shall comply with the provisions of the Punjab Water Resources (Management and Regulation) Act, 2020, and the Regulations and Directions issued thereunder.
- 4) A Unit operational prior to 12/11/2020 shall be liable to pay groundwater extraction charges w.e.f. 12th Nov, 2020. A unit which is yet to begin operations shall be liable to pay the charges from the date of commencement of extraction of groundwater.
- 5) The unit shall install a water meter at each of its extraction structures within 60 days of issue of this permission letter (Refer Para 7.1 of the Draft Guidelines.)
- 6) Till the installation of water meter the Unit shall pay the full amount for the entire volume of groundwater permitted.
- 7) The Unit shall self-record the water meter readings in the format set by the Authority on the first working day of every month and submit the same and pay the applicable charges to PWRDA by 10th of every month.
- 8) Units permitted to extract 50m³/day or more groundwater shall communicate water level data to PWRDA in the first week of every month. (Refer para 7.2 of the Draft Guidelines).
- 9) This Permission does not absolve the unit of its obligations to obtain other required statutory and administrative clearances from appropriate authorities.
- 10) The issue of this Permission does not imply that other statutory or administrative clearances shall necessarily be granted to the unit by the concerned authorities.
- 11) This Permission is being issued without any prejudice to the directions of any court of law in cases related to groundwater or any other related matters.
- 12) Water conservation credit claims (if any) will be examined and verified separately.
- 13) In view of the Covid-19 epidemic, the Groundwater Charges in the Draft Guidelines will be reduced by 20% till May 31st, 2021.
- 14) Since, the unit has not paid the GST. Hence, it will be bound to deposit the same within 7 days as and when required by the Authority.

X-----X

CHAPTER – 5

WATER POLLUTION GENERATION & ITS MANAGEMENT

The industry generated @ 230 m³/day of industrial treated effluent from process and @ 173.17 m³/day of domestic effluent for 150 working days during the Financial Year 2023-24. The industry has installed Effluent Treatment Plant (ETP) to treat the trade effluent as well domestic effluent. The treated effluents are discharged on to land for plantation in their own land of the industry.

EFFLUENT TREATMENT PLANT (ETP)

The ETP installed by the industry is based on biological treatment. The capacity of the Effluent Treatment Plant (ETP) installed by the industry is 3500 m³/day.

Process Details

In the manufacturing process of sugar, the liquid effluent containing BOD, COD, Oil and grease and suspended solid are generated. The colour of the waste water is pale yellow. The industry has set up an Effluent Treatment Plant (ETP) for the treatment of 3500 m³/day effluent generated from the existing sugar mill.

The ETP shall comprise of the following units:

1. Bar Screening
2. Oil and Grease Trap
3. Anaerobic Filter
4. Aerobic Reactor
5. Secondary Sedimentation Tank
6. Sludge Drying Beds

The treated effluent is used for irrigation which meets with the desired norms. Aqueous discharges from power plant blow down, sluice water from the bottom ash handling system, boiler chemical cleaning solutions as well as variety of low volume wastes including ion exchange regeneration solution from the de-mineralising water plant, RO reject water, boiler blow down sewerage system discharge from building and plant floor drains etc. are also treated in the same Effluent Treatment Plant (ETP).

The Effluent Treatment Plant (ETP) installed by the industry is operated regularly to achieve the norms prescribed by the Punjab Pollution Control Board. The concentration of various pollutants remains well below the prescribed norms. The treated effluents are utilized in the plantation area of 55 Acres which has been developed as per Karnal Technology. No stagnation of effluent is there inside or outside the industry.

The Drawing of Effluent Treatment Plant (ETP) installed by the industry is as per Figure 5.1.

CHAPTER – 6

AIR POLLUTION GENERATION & ITS MANAGEMENT

The industry has installed 02 Nos. Multi Fuel Boilers having steam generation capacity of 80 TPH & 120 TPH. Baggase is mainly used as fuel in both of the boilers installed by the industry. The quantity of fuel consumption in the boilers is Baggase @ 255881 MT during the financial year 2023-24. The boiler having capacity 80 TPH is provided with wet scrubber as Air Pollution Control Device and boiler having capacity 120 TPH is provided with Electro Static Precipitator (ESP).

The industry has installed 02 nos. D.G. sets of capacity 725 KVA & 500 KVA having adequate stacks heights of 6.0 metre above roof level. The industry used HSD @ 22.9 KL as fuel for D.G. sets during the financial year 2023-24.

- All the D.G. sets have been provided with canopies separately.
- The industry is getting the stack emissions analysed periodically from the PPCB Lab/ Approved labs by PPCB. The concentration of SPM always remains within the limits prescribed by PPCB.
- All the boilers have been provided with proper adequate stack heights above the roof level. Height of stacks of 50 metres AGL with 80 TPH boiler & 66 metres AGL with 120 TPH boiler.

CHAPTER – 7

HAZARDOUS WASTE GENERATION & ITS MANAGEMENT

HAZARDOUS WASTE & DISPOSAL

The industry has been granted authorization for collection, storage and disposal of hazardous wastes under the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 by Punjab Pollution Control Board. Detail is as follows: -

(a)	Number of Authorization	HWM/renew/HSP/2019/9365457
(b)	Date of Issue	12/06/2019
(c)	Date of Expiry	11/06/2024
(d)	Category of Hazardous Wastes	5.1 Used/Spent Oil (Schedule-I) @ 0.96 KL/Annum
(e)	Scale of Industry	Large Scale

CHAPTER – 8

SOLID WASTE GENERATION & ITS MANAGEMENT

The source of generation of solid waste from the industry is Bagasse Ash which is generated from the burning as fuel in the boiler furnace. The bagasse ash generation during the year under report was 4496 metric tonnes.

The type of solid waste which generate from the industry which have pollution potential are ETP sludge and boiler ash. The primary and secondary sludge from the primary and secondary clarifier is collected in a sludge holding tank. The bio-solids is generating from ETP. Sludge drying beds are there for drying of sludge which is using as manure in the fields.

Bagasse contains very little ash. Ash generation from bagasse burning works out to be 4496 MT. An important point with regards to the bagasse ash is that the ash contains sodium and potassium and other nutrient for plant growth and hence could be used as soil conditioner for the cane fields and other agriculture purposes.

The ETP sludge is non-toxic and hence treated as solid waste which is used as manure in the agriculture fields. The Bagasse is used as fuel in the boilers and the Press Mud is also used by the nearby farmers.

CHAPTER – 9

STATUTORY PERMISSIONS

The industry has obtained the consent to operate under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981 and the Authorisation under the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 as amended which are as under: -

- Consent to operate under the Water (Prevention & Control of Pollution) Act, 1974, granted vide Punjab Pollution Control Board letter no. **CTOW/varied/HSP/2022/18678004** dated 08.08.2022 valid upto 31.03.2025. (Copy Attached)
- Consent to operate under the Air (Prevention & Control of Pollution) Act, 1981, granted vide Punjab Pollution Control Board no. **CTOA/varied/HSP/2022/1867795** dated 08.08.2022 valid upto 31.03.2025. (Copy Attached)
- Authorization under the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016, granted vide Punjab Pollution Control Board vide no. **HWM/renew/HSP/2019/9365457** dated 12.06.2019 valid upto 11.06.2024. (Copy Attached)
- The Industry has granted Environmental Clearance for Expansion of Sugar Mill from 7000 TCD to 12000TCD and Co-generation Power Plant of 33 MW to 37 MW from Ministry of Environment, Forest & Climate Change (MoEF&CC) granted vide no. **IA/PB/IND3/183665/2017** dated 20.11.2020. (Copy Attached)
- Consent to Establish for Expansion of Sugar Mill from 7000 TCD to 12000 TCD and Co-generation Power Plant of 33 MW to 37 MW under Water Act, 1974 & Air Act, 1981 granted vide no. **CTE/Exp/HSP/2021/15781781** dated 27.09.2021 valid upto 25.05.2022. (Copy Attached)



PUNJAB POLLUTION CONTROL BOARD
ZONAL OFFICE, NEAR PSIEC WATER, FOCAL POINT, JALANDHAR
Website:- www.ppcb.gov.in

Office Dispatch No : _____ Registered/Speed Post _____ Date: _____
Industry Registration ID: *R12HSP36431* Application No : *18678004*

To,

Sh Manmeet Singh
A/6, Behind Radha Cinema,
Rampur, Rampur-244901

Subject: Grant Varied 'Consent to Operate' an outlet u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974 for discharge of effluent.

With reference to your application for obtaining Varied 'Consent to Operate' an outlet for discharge of the effluent u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974, you are, hereby, authorized to operate an industrial unit for discharge of the effluent(s) arising out of your premises subject to the Terms and Conditions as mentioned in this Certificate

1. Particulars of Consent to Operate under Water Act, 1974 granted to the industry

Consent to Operate Certificate No.	CTOW/Varied/HSP/2022/18678004
Date of issue :	08/08/2022
Date of expiry :	31/03/2025
Certificate Type :	Varied
Previous CTO No. & Validity :	CTOW/Renewal/HSP/2019/9400729 From:20/09/2019 To:19/09/2022

2. Particulars of the Industry

Name & Designation of the Applicant	Balwant Singh Garewal, (President)
Address of Industrial premises	A.b. Sugars Ltd., Vill. Randhawa, P.o. Panwan, Tehsil Dasuya, Dasuya, Hoshiarpur-144205
Capital Investment of the Industry	28280.334 lakhs
Category of Industry	Red
Type of Industry	Sugar
Scale of the Industry	Large
Office District	Hoshiarpur
Consent Fee Details	Rs. 763750/- vide UTR No. HDFCR52022042263188489 dated 22.04.2022 under Water Act and Rs. 763750/- vide UTR No. HDFCR52022042263192635 dated 22.04.2022 under Air Act.
Raw Materials(Name with quantity per day)	SUGARCANE @ 12000 Metric Tonnes/Day & BAGASSE, FOR 33 MW CO-GENERATION POWER PLANT @ 202 Metric Tonnes/Day
Products (Name with quantity per day)	SUGAR @ 1200 Metric Tonnes/Day ELECTRICITY @ 33 Megawatt

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A.b. Sugars Ltd., Vill. Randhawa, P.o. Panwan, Tehsil Dasuya, Dasuya, Hoshiarpur, 144205

Page1



By-Products, if any,(Name with quantity per day)	BAGASSE @ 38 4Metric Tonnes/Day, PRESS MUD @ 48 Metric Tonnes/Day, MOLASSES @48Metric Tonnes/Day MOLASSES @48Metric Tonnes/Day
Details of the machinery and processes	As per application form.
Details of the Effluent Treatment Plant	Trade Effluent @ 1114.0 KLD Domestic Effluent @ 300.0 KLD
Mode of Disposal	Onto land for plantation/green belt Onto land for plantation/green belt
Standards to be achieved under Water(Prevention & Control of Pollution) Act, 1974	As prescribed by CPCB/MoEF/ PPCB

08/08/2022

(Ravinder Bhatti)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

Endst. No.: []

[]

[]

Dated:

A copy of the above is forwarded to the following for information and necessary action please:

Environmental Engineer, Regional Office, Hoshiarpur. He is directed to personally verify all the compliances of the decisions of hearing held on 21/07/2022 by 30.09.2022 and shall submit the report accordingly.

08/08/2022

(Ravinder Bhatti)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

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A.b. Sugars Ltd., Vill. Randhawa, P.o. Panwan, Tehsil Dasuya, Dasuya, Hoshiarpur, 144205

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TERMS AND CONDITIONS

A. GENERAL CONDITIONS

1. This consent is not valid for getting power load from the Punjab State Power Corporation Limited or for getting loan from the financial institutions.
2. The industry shall apply for renewal/further extension in validity of consent atleast two months before expiry of the consent.
3. The industry shall ensure that the effluent discharging through the authorized outlet shall conform to the prescribed standards as applicable from time to time.
4. The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per hectare all along the boundary of the industrial premises.
5. The achievement of the adequacy and efficiency of the effluent treatment plant/pollution control devices/re-circulation system installed shall be the entire responsibility of the industry.
6. The industry shall ensure that the Hazardous Wastes generated from the premises are handled as per the provisions of the Hazardous Wastes(Management, Handling and Trans boundary Movement) Rules, 2008 as amended time to time , without any adverse effect on the environment, in any manner
7. The responsibility to monitor the effluent discharged from the authorized outlet and to maintain a record of the same rests with the industry. The Board shall only test check the accuracy of these reports for which the industry shall deposit the samples collection and testing fee with the Board as and when required.
8. The industry shall submit balance sheet of every financial year to the concerned Regional Office by 30th June of every year.
9. The industry shall submit a yearly certificate to the effect that no addition/up-gradation/ modification/modernization has been carried out during the previous year otherwise the industry shall apply for the varied consent.
10. During the period beginning from the date of issuance and the date of expiration of this consent, the applicant shall not discharge floating solids or visible foam.
11. Any amendments/revisions made by the Board in the tolerance limits for discharges shall be applicable to the industry from the date of such amendments/revisions.
12. The industry shall not change or alter the manufacturing process(es) so as to change the quality and/or quantity of the effluents generated without the written permission of the Board.
13. Any upset conditions in the plant/plants of the factory, which is likely to result in increased effluent and/or result in violation of the standards lay down by the Board shall be reported to the Environmental Engineer, Punjab Pollution Control Board of concerned Regional Office immediately failing which any stoppage and upset conditions that come to the notice of the Board/its officers, will be deemed to be intentional violation of the conditions of consent.
14. The industry shall provide terminal manhole(s) at the end of each collection system and a manhole upstream of final outlet (s) out of the premises of the industry for measurement of flow and for taking samples.
15. The industry shall for the purpose of measuring and recording the quantity of water consumed and effluent discharged, affix meters of such standards and at such places as approved by the Environmental Engineer, Punjab Pollution Control Board of the concerned Regional Office.
16. The industry shall maintain record regarding the operation of effluent treatment plant i.e. record of quantity of chemicals and energy utilized for treatment and sludge generated from treatment so as to satisfy the Board regarding regular and proper operation of pollution control equipment.
17. The industry shall provide online monitoring equipment^{1/2}s for the parameters as decided by concerned Regional Office with the effluent treatment plant/air pollution control devices installed, if applicable.
18. The pollution control devices shall be interlocked with the manufacturing process of the industry.
19. The authorized outlet and mode of disposal shall not be changed without the prior written permission of the Board.
20. The industry shall comply with the conditions imposed by the SEIAA / MOEF in the environmental clearance granted to it as required under EIA notification dated 14/9/06, if applicable.
21. The industry shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 1991.
22. The industry shall not use any unauthorized out-let(s) for discharging effluents from its premises. All unauthorized outlets, if any, shall be connected to the authorized outlet within one month from the date of issue of this consent.

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23. The industry shall make necessary arrangements for the monitoring of effluent being discharged by the industry and shall monitor its effluents:-
 - (i) Once in Year for Small Scale Industries.
 - (ii) Four in a Year for Large/Medium Scale Industries.
 - (iii) The industry will submit monthly reading/ data of the separate energy meter installed for running of effluent treatment plant/re-circulation system to the concerned Regional Office of the Board by the 5th of the following month.
24. The industry shall provide electromagnetic flow meters at the source of water supply, at inlet/outlet of effluent treatment plant within one month and shall maintain the record of the daily reading and submit the same to the concerned Regional Office by the 5th of the following month.
25. The Board reserves the right to revoke this consent at any time in case the industry is found violating any of the conditions of this consent and/or the provisions of Water (Prevention & Control of Pollution) Act, 1974 as amended from time to time.
26. The issuance of this consent does not convey any property right in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local Laws or Regulations.
27. The consent does not authorize or approve the construction of any physical structures or facilities for undertaking of any work in any natural watercourse.
28. Nothing in this consent shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected under this or any other Act.
29. The industry shall make necessary and adequate arrangements to hold back the effluent in case of failure of septic tank.
30. The diversion or bye pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this consent is prohibited except.
 - (i) Where unavoidable to prevent loss of life or some property damage or
 - (ii) Where excessive storm drainage or run off would damage facilities necessary for compliance with terms and conditions of this consent. The applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.
31. The industry shall ensure that no water pollution problem is created in the area due to discharge of effluents from its industrial premises.
32. The industry shall comply with the code of practice as notified by the Government/ Board for the type of industries where the siting guidelines/ code of practice have been notified.
33. Solids, sludge, filter backwash or other pollutant removed from or resulting from treatment or control of waste waters shall be disposed off in such a manner to prevent any pollutants from such materials from entering into natural water.
34. The industry shall re-circulate the entire cooling water and shall also re-circulate/reuse to the maximum extent the treated effluent in processes
35. The industry shall make necessary and adequate arrangements to hold back the effluent in case of failure of re-circulation system/ effluent treatment plant.
36. The industry shall make proper disposal of the effluent so as to ensure that no stagnation occurs inside and outside the industrial premises during rainy season and no demand period.
37. Where excessive storm water drainage or run off, would damage facilities necessary for compliance with terms and conditions of this consent, the applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.
38. The industry shall submit a detailed plan showing therein the distribution system for conveying waste-water for application on land for irrigation along with the crop pattern for the year.
39. The industry shall ensure that the effluent discharged by it is toxicity free.
40. The industry shall not irrigate the vegetable crops with the treated effluents which are used/ consumed as raw.
41. Drains causing oil & grease contamination shall will be segregated. Oil & grease trap shall be provided to recover oil & grease from the effluent.

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42. The industry shall establish sufficient number of piezometer wells in consultation with the concerned Regional Office, of the Board to monitor the impact on the Ground Water Quantity due to the industrial operations, and the monitoring shall be submitted to the Environmental Engineer of the concerned Regional Office by the 5th of every month.
43. The industry shall ensure that its production capacity & quantity of trade effluent do not exceed the quantity mentioned in the consent and shall not carry out any expansion without the prior permission/NOC of the Board.

B. SPECIAL CONDITIONS

1. The industry shall get the technical adequacy of audit of ETP/APCDs installed in the Sugar Industry within one month.
2. The industry shall submit the Irrigation Management Plan indicating the pocket wise utilization of treated effluent in its plantation area to the Board within one month and Regional Office shall verify the same.
3. The industry shall submit Fuel Ash Disposal Management Plan to the Board within one month indicating the logging of transportation of fuel ash, details of vehicles meant for transportation of fuel ash, so as to verify the disposal arrangements of fuel ash.
4. The industry shall construct a separate mild steel molasses storage tank well before the start of crushing season for storage of additional molasses to be generated by the increase of crushing capacity from 7000 TCD to 12000 TCD. The storage tank shall be equipped with water level, Temperature watch and alarm system for specific monitoring of molasses storage.
5. The industry shall immediately plant three rows all along its boundary wall inside the premises during this monsoon season. The trees shall be broad leaved trees.
6. The industry shall stabilize the effluent treatment plant before two months of the start of the crushing season.
7. The industry shall comply with conditions of Environmental Clearance granted for expansion of sugar mill by Ministry of Environment, Forest & Climate Change, Govt. of India dated 05/01/2021, at all the times.
8. The industry shall develop the vermi-composting/composting to manage the bio-degradable solid waste.
9. The industry shall properly handle and manage the solid wastages as per the provisions of the Municipal Solid Waste Rules 2016 and ensure that the solid waste is segregated & disposed of in an environmentally sound manner.
10. The industry shall not throw/ burn or bury any solid wastes in open, outside premises or in drain / water bodies.
11. The industry shall promote use of alternatives of single use plastics (SUP) and awareness to discourage use of plastic, through their Corporate Environment Responsibility (CER) activities. (See attached banner)
12. The industry shall ensure that there are no usages of single use plastic- thermocol disposable items such as water bottles / water pouches/water cups, plates, forks, spoons, straw etc. and single use decorating material made of plastic-thermocol or any other non-biodegradable material in the premises.
13. The industry shall properly handle and manage the solid wastages as per the provisions of the Municipal Solid Waste Rules 2016 and ensure that the solid waste is segregated & disposed of in an environmentally sound manner.

08/08/2022

(Ravinder Bhatti)
Environmental Engineer

*For & on behalf
of*

(Punjab Pollution Control Board)

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PUNJAB POLLUTION CONTROL BOARD
ZONAL OFFICE, NEAR PSIEC WATER, FOCAL POINT, JALANDAHR
Website:- www.ppcb.gov.in

Office Dispatch No : _____ Registered/Speed Post _____ Date: _____
Industry Registration ID: R12HSP36431 Application No : 18677950

To,

Balwant Singh Garewal
A/6, Behind Radha Cinema,
Rampur, Rampur-244901

Subject: Grant Varied 'Consent to Operate' u/s 21 of Air (Prevention & Control of Pollution) Act, 1981 for discharge of emissions arising out of premises.

With reference to your application for obtaining Varied 'Consent to Operate' u/s 21 of Air (Prevention & Control of Pollution) Act, 1981, you are hereby, authorized to operate an industrial unit for discharge of the emission(s) arising out of your premises subject to the Terms and Conditions as mentioned in this Certificate.

1. Particulars of Consent to Operate under Air Act, 1981 granted to the industry

Consent to Operate Certificate No.	CTOA/Varied/HSP/2022/18677950
Date of issue :	08/08/2022
Date of expiry :	31/03/2025
Certificate Type :	Varied
Previous CTO No. & Validity :	CTOA/Renewal/HSP/2019/9399710 From:20/09/2019 To:19/09/2022

2. Particulars of the Industry

Name & Designation of the Applicant	Balwant Singh Garewal, (President)
Address of Industrial premises	A.b. Sugars Ltd., Vill. Randhawa, P.o. Panwan, Tehsil Dasuya, Dasuya, Hoshiarpur-144205
Capital Investment of the Industry	28280.334 lakhs
Category of Industry	Red
Type of Industry	Sugar
Scale of the Industry	Large
Office District	Hoshiarpur
Consent Fee Details	Rs. 763750/- vide UTR No. HDFCR52022042263188489 dated 22.04.2022 under Water Act and Rs. 763750/- vide UTR No. HDFCR52022042263192635 dated 22.04.2022 under Air Act
Raw Materials (Name with Quantity per day)	SUGARCANE @ 12000 Metric Tonnes/Day & BAGASSE FOR 33 MW CO-GENERATION POWER PLANT @ 202 Metric Tonnes/Day

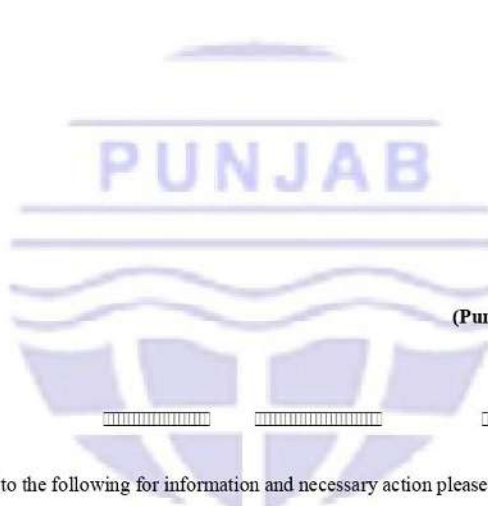
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Products (Name with Quantity per day)	SUGAR @ 1200 Metric Tonnes/Day ELECTRICITY @ 33 Megawatt
By-products, if any, (Name with Quantity per day)	BAGASSE @ 38 4Metric Tonnes/Day, PRESS MUD @ 48 Metric Tonnes/Day, MOLASSES @48Metric Tonnes/Day
Details of the machinery and process	As per application form.
Quantity of fuel required (in TPD) and capacity of boilers/ Furnace/Thermo heater etc.	Bagasse as fuel 02 no. boilers of capacity 80 TPH & 120 TPH
Type of Air Pollution Control Devices to be installed	Wet scrubber as APCD with boilers
Stack height provided with each boiler/thermo heater/Furnace etc.	BOILER CHIMNEY @ 50(Ground Level)/25(Roof Level) BOILER CHIMNEY @ 65(Ground Level)/20(Roof Level)
Sources of emissions and type of pollutants	SPM from boilers
Standards to be achieved under Air(Prevention & Control of Pollution) Act, 1981	As prescribed by CPCB/MoEF/ PPCB





08/08/2022

(Ravinder Bhatti)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

Endst. No.:

Dated:

A copy of the above is forwarded to the following for information and necessary action please:

Environmental Engineer, Regional Office, Hoshiarpur. He is directed to personally verify all the compliances of the decisions of hearing held on 21/07/2022 by 30.09.2022 and shall submit the report accordingly.



08/08/2022

(Ravinder Bhatti)
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TERMS AND CONDITIONS

A. GENERAL CONDITIONS

1. This consent is not valid for getting power load from the Punjab State Power Corporation Ltd. or for getting loan from the financial institutions.
2. The industry shall apply for renewal /extension of consent at least two months before expiry of the consent.
3. The industry shall not violate any of the norms prescribed under the Air (Prevention & Control of Pollution) Act, 1981, failing which, the consent shall be cancelled / revoked.
4. The achievement of adequacy and efficiency of the air pollution control devices installed shall be the entire responsibility of the industry
5. The authorized fuel being used shall not be changed without the prior written permission of the Board.
6. The industry shall not discharge any fugitive emissions. All gases shall be emitted through a stack of suitable height, as per the norms fixed by the Board from time to time.
7. The industry shall provide port-holes, platforms and/or other necessary facilities as may be required for collecting samples of emissions from any chimney, flue or duct or any other outlets.

Specifications of the port-holes shall be as under:-

- i) The sampling ports shall be provided atleast 8 times chimney diameter downstream and 2 times upstream from the flow disturbance. For a rectangular cross section the equivalent diameter (De) shall be calculated from the following equation to determine upstream, downstream distance:-

$$De = 2 LW / (L+W)$$

Where L= length in mts. W= Width in mts.
- ii) The sampling port shall be 7 to 10 cm in diameter
8. The industry shall put display Board indicating environmental data in the prescribed format at the main entrance gate.
9. The industry shall discharge all gases through a stack of minimum height as specified in the following standards laid down by the Board.

(i) Stack height for boiler plants

S.NO.	Boiler with Steam Generating Capacity	Stack heights
1.	Less than 2 ton/hr.	9 meters or 2.5 times the height of neighboring building which ever is more
2.	More than 2 ton/hr. to 5 ton/hr.	12 meters
3.	More than 5 ton/hr. to 10 ton/hr	15 meters
4.	More than 10 ton/hr. to 15 ton/hr	18 meters
5.	More than 15 ton/hr. to 20 ton/hr	21 meters
6.	More than 20 ton/hr. to 25 ton/hr.	24 meters
7.	More than 25 ton/hr. to 30 ton/hr.	27 meters
8.	More than 30 ton/hr.	30 meters or using the formula $H = 14 Q_g^{0.3}$ or $H = 74 (Q_p)^{0.24}$ Where Q_g = Quantity of SO ₂ in Kg/hr. Q_p = Quantity of particulate matter in Ton/day.

Note : Minimum Stack height in all cases shall be 9.0 mtr. or as calculated from relevant formula whichever is more.

(ii) For industrial furnaces and kilns, the criteria for selection of stack height would be based on fuel used for the corresponding steam generation.

(iii) Stack height for diesel generating sets:

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Capacity of diesel generating set	Height of the Stack	
0-50 KVA	Height of the building	+ 1.5 mt
50-100 KVA	□□-do-	+ 2.0 mt.
100-150 KVA	□□-do-	+ 2.5 mt.
150-200 KVA	□□-do-	+ 3.0 mt.
200-250 KVA	□□-do-	+ 3.5 mt.
250-300 KVA	□□ -do-	+ 3.5 mt.

For higher KVA rating stack height H (in meter) shall be worked out according to the formula:

$$H = h + 0.2 (KVA)^{0.5}$$

where h = height of the building in meters where the generator set is installed.

10. The pollution control devices shall be interlocked with the manufacturing process of the industry to ensure its regular operation.
11. The existing pollution control equipment shall be altered or replaced in accordance with the directions of the Board, and no pollution control equipment or chimney shall be altered or as the case may be erected or re-erected except with the prior approval of the Board.
12. The industry will provide canopy and adequate stack with the D.G sets so as to comply with the provision of notification No GSR-371 E dated 17-5-2002(amended from time to time) issued by MOEF under Environment (Protection) Act, 1986.
13. The Govt. of Punjab, Department of Science, Technology & Environment vide its notification no.4/46/92-3ST/2839 dt. 29/12/1993 has put prohibition on the use of rice husk as fuel after 1.4.1995 except the following:-
It is in the form of briquettes and use of rice husk in fluidized bed combustion. So the industry shall make the necessary arrangement to comply with the above notification.
14. The industry shall submit balance sheet of every financial year to the concerned Regional Office by 30th June of every year
15. That the industry shall submit a yearly certificate to the effect that no addition / up-gradation/ modification/ modernization has been carried out during the previous year otherwise the industry shall apply for the varied consent.
16.
 - a) The industry shall ensure that at any time the emission do not exceed the prescribed emissions standards laid down by the Board from time to time for such type of industry /emissions.
 - b) The industry shall ensure that the emissions from each stack shall conform to the following emission standards laid down by the Board in respect of the Industrial Boilers.

Steam Generating capacity A.	Required particulate matter B.	
Area upto 5 Km from Other than 'A' class Other than the periphery of I and Class-II town		
Less than 2 ton/hr.	800 mg/NM3	1200 mg/NM3
2 ton to 10 ton/hr.	500 mg/NM3	1000 mg/NM3
Above 10 ton to 15 ton/hr	350 mg/NM3	500 mg/NM3
Above 15 ton/hr	150 mg/NM3	150 mg/NM3

All emissions normalized to 12% carbon dioxide.

17. The industry shall ensure that the Hazardous Wastes generated from the premises are handled as per the provisions of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, without any adverse effect on the environment, in any manner.
18. The air pollution control equipments shall be kept at all time in good running condition and;

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- (i) All failures of control equipments.
 - (ii) The emissions of any air pollutant into the atmosphere in excess of the standards lay down by the Board occurring or being apprehended to occur due to accident or other unforeseen act or event. 'Shall be intimated through fax to the concerned Regional Office as well as to the Director of Factories, Punjab, Chandigarh as required under rule 10 of the Punjab State Board for the Prevention and Control of Air Pollution Rules, 1983'.
19. The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per hectare all along the boundary of the industrial premises.
20. The industry shall submit a site emergency plan approved by the Chief Inspector of Factories, Punjab as applicable.
21. The industry shall comply with the conditions imposed by the SEIAA/MOEF in the Environmental Clearance granted to it as required under EIA notification dated 14/9/06, if applicable.
22. The industry shall make necessary arrangements for the monitoring of stack emissions and shall get its emissions analyzed from lab approved / authorized by the Board:-
 - (i) Once in Year for Small Scale Industries.
 - (ii) Twice/thrice/four time in a Year for Large/Medium Scale Industries.
23. The industry shall maintain the following record to the satisfaction of the Board :-
 - (i) Log books for running of air pollution control devices or pumps/motors used for it.
 - (ii) Register showing the result of various tests conducted by the industry for monitoring of stack emissions and ambient air.
 - (iii) Register showing the stock of absorbents and other chemicals to be used for scrubbers.
24. The industry will install the separate energy meter for running pollution control devices and shall maintain record with respect to operation of air pollution control device so as to satisfy the Board regarding the regular operation of air pollution control device and monthly reading / record may be sent to the Board by the fifth of the following month.
25. The industry shall provide online monitoring system as applicable, for in stack emission and shall maintain the record of the same for inspection of the Board Officers.
26. The Board reserves the right to revoke the consent granted to the industry at any time, in case the industry is found violating the provisions of Air (Prevention & Control of Pollution) Act, 1981 as amended from time to time.
27. The industry shall comply with any other conditions laid down or directions issued in due course by the Board under the provisions of the Air (Prevention & Control of Pollution) Act, 1981.
28. Nothing in this consent shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected to under this or any other Act.
29. Any amendments/revisions made by the Board/CPCB/MOEF in the emission/stack height standards shall be applicable to the industry from the date of such amendments/revisions.
30. The industry shall dispose off its solid waste generated by the burning of fuel in an Environmentally Sound Manner within the premises/outside as approved by the Board, to avoid public nuisance and air pollution problem in the area.
31. The industry shall ensure that no air pollution problem or public nuisance is created in the area due to the discharge of emissions from the industry.
32. The industry shall provide adequate arrangement for fighting the accidental leakage/discharge of any air pollutant/gas/ liquids from the vessels, mechanical equipment's etc, which are likely to cause environmental pollution.
33. The industry shall not change or alter the manufacturing process(es) and fuel so as to change the quality/quantity of emissions generated without the prior permission of the Board.
34. The industry shall earmark a land within their premises for disposal of boiler ash in an environmentally sound manner, and / or the industry shall make necessary arrangements for proper disposal of fuel ash in a scientific manner and shall maintain proper record for the same, if applicable.
35. The industry shall obtain and submit Insurance cover under the Public Liability Insurance Act, 1991.
36. The industry shall provide proper and adequate air pollution control arrangements for control emission from its fuel handling area, if applicable.

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37. The industry shall comply with the code of practice as notified by the Government/Board for the type of industries where the siting guidelines / Code of Practice have been notified.
38. The industry shall not cause any nuisance/traffic hazard in vicinity of the area
39. The industry shall ensure that the noise & air emission from D.G. sets do not exceed the standards prescribed for D.G. sets by the Ministry of Environment & Forests, New Delhi.
40. The industry shall ensure that there will not be significant visible dust emissions beyond the property line
41. The industry shall provide adequate and appropriate air pollution control devices to contain emissions from handling, transportation and processing of raw material & product of the industry.
42. The Industry shall ensure that its production capacity does not exceed the capacity mentioned in the consent and shall not carry out any expansion without the prior permission / NOC of the Board.

B. SPECIAL CONDITIONS

1. The industry shall get the technical adequacy of audit of ETP/APCDs installed in the Sugar Industry within one month.
2. The industry shall submit the Irrigation Management Plan indicating the pocket wise utilization of treated effluent in its plantation area to the Board within one month and Regional Office shall verify the same.
3. The industry shall submit Fuel Ash Disposal Management Plan to the Board within one month indicating the logging of transportation of fuel ash, details of vehicles meant for transportation of fuel ash, so as to verify the disposal arrangements of fuel ash.
4. The industry shall construct a separate mild steel molasses storage tank well before the start of crushing season for storage of additional molasses to be generated by the increase of crushing capacity from 7000 TCD to 12000 TCD. The storage tank shall be equipped with water level, Temperature watch and alarm system for specific monitoring of molasses storage.
5. The industry shall immediately plant three rows all along its boundary wall inside the premises during this monsoon season. The trees shall be broad leaved trees.
6. The industry shall stabilize the effluent treatment plant before two months of the start of the crushing season.
7. The industry shall comply with conditions of Environmental Clearance granted for expansion of sugar mill by Ministry of Environment, Forest & Climate Change, Govt. of India dated 05/01/2021, at all the times.
8. The industry shall develop the vermi-composting/composting to manage the bio-degradable solid waste.
9. The industry shall properly handle and manage the solid wastages as per the provisions of the Municipal Solid Waste Rules 2016 and ensure that the solid waste is segregated & disposed of in an environmentally sound manner.
10. The industry shall not throw/ burn or bury any solid wastes in open, outside premises or in drain / water bodies.
11. The industry shall promote use of alternatives of single use plastics (SUP) and awareness to discourage use of plastic, through their Corporate Environment Responsibility (CER) activities. (See attached banner)
12. The industry shall ensure that there are no usages of single use plastic- thermocol disposable items such as water bottles / water pouches/water cups, plates, forks, spoons, straw etc. and single use decorating material made of plastic-thermocol or any other non-biodegradable material in the premises.
13. The industry shall properly handle and manage the solid wastages as per the provisions of the Municipal Solid Waste Rules 2016 and ensure that the solid waste is segregated & disposed of in an environmentally sound manner.

08/08/2022

(Ravinder Bhatti)
Environmental Engineer

*For & on behalf
of*

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PUNJAB POLLUTION CONTROL BOARD

ZONAL OFFICE JALANDHAR

Website:- www.ppcb.gov.in

Office Dispatch No : _____ Registered/Speed Post _____ Date: _____
Industry Registration ID : R12HSP36431 _____ Application No : 9365457

To,

Sh Manmeet Singh
33, COMMUNITY CENTRE
NEWDELHI, NEWDELHI-110025

Subject: Renewal of Authorization for operating a facility for 'Generation, ' of Hazardous Wastes as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 .

Sh Manmeet Singh of A.b. sugars ltd. is hereby granted an authorisation based on the enclosed signed inspection report for Generation, on the premises situated at Vill. randhawa, p.o. panwan, tehsil dasuya, Dasuya, Hoshiarpur-144205

1. Particulars of Authorization granted to the Industry

Authorization No	HWM/renew/HSP/2019/9365457
Previous Authorization No	HWM/HSP/2014/853207
Date of issue :	12/06/2019
Date of expiry :	11/06/2024
Previous Authorization Date of Issue :	16/04/2014
Previous Authorization Date of Expiry :	31/03/2019
Authorization Type :	renew

2. Particulars of the Industry

Name & Designation of the Applicant	BALWANT SINGH GAREWAL, (SR. VICE PRESIDENT)
Address of Industrial premises	A.b. sugars ltd., Vill. randhawa, p.o. panwan, tehsil dasuya, Dasuya, Hoshiarpur-144205
Capital Investment of the Industry	22643.42 lakhs
Category of Industry	Red
Type of Industry	Sugar
Scale of the Industry	Large
Office District	Hoshiarpur

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A.b. sugars ltd., Vill. randhawa, p.o. panwan, tehsil dasuya, Dasuya, Hoshiarpur, 144205

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3. Particulars of Wastes

Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorised mode of disposal or recycling or utilisation or co-processing, etc	Quantity (ton/annum)
Schedule I 5.1-Used or spent oil	Generation	0.96 KL/Annum

4. The authorisation is subject to the general and specific conditions as appended with the Authorization.

Samita

12/06/2019

(Samita)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

Endst. No.:

Dated:

A copy of the above is forwarded to the following for information and necessary action please:
EERO Hoshiarpur.

Samita

12/06/2019

(Samita)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

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TERMS AND CONDITIONS

A. GENERAL CONDITIONS

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 Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised 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 Change 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

The industry shall regularly get the hazardous waste of category 5.1 to the authorized recycler, who is having valid consents under Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 and authorization under HWM Rules, 2016

Samita

12/06/2019

(Samita)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

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Page 3



F. No. IA-J-11011/764/2007-IA II (I)
Government of India
Ministry of Environment, Forest & Climate Change
Impact Assessment Division

Speed Post/Online

Indira Paryavaran Bhavan,
Vayu Wing, 3rd Floor, Aliganj,
JorBagh Road, New Delhi-110 003

Dated: 5th January, 2021

To,

M/s A B Sugars Ltd.,
Chadha Estate, Village Randhawa,
Tehsil-Dasuya, District- Hoshiarpur,
Punjab
Email: deshraj_1971@rediffmail.com

Sub: Expansion of Sugar Mill (7000 TCD to 12,000 TCD) and Co-generation Power Plant of 33 MW to 37 MW by M/s A B Sugars Ltd. Located at Chadha Estate, Village Randhawa, Tehsil-Dasuya, District- Hoshiarpur, Punjab - Environmental Clearance regarding.

Sir,

This has reference to your online proposal No. IA/PB/IND3/183665/2017 dated 20th November, 2020 for environmental clearance to the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for Expansion of Sugar Mill (7000 TCD to 12,000 TCD) and Co-generation Power Plant of 33 MW to 37 MW by M/s A B Sugars Ltd., located at Chadha Estate, Village Randhawa, Tehsil-Dasuya, District- Hoshiarpur, Punjab.

3. The project/activities are covered under category B of item 5(j) 'Sugar industry' of the Schedule to the Environment Impact Assessment Notification, 2006. Due to non-existence of SEIAA/SEAC Punjab, the project requires appraisal at central level by the sectoral Expert Appraisal Committee (EAC) in the Ministry.

4. The details of products and capacity are as under:-

A. SUGAR

S. No	PRODUCT	Existing Qty. (Tonnes/day)	Proposed Qty. (Tonnes/day)	After Expansion (Tonnes/day)
1	L Quality Sugar (31)	77	55	132
2	M Quality Sugar (31)	616	440	1056
3	S Quality Sugar (31)	77	55	132
	Total	770	550	1320

B. CO- GENERATION POWER PLANT

PRODUCT	Existing (MW)	Proposed (MW)	After Expansion (MW)
Export Power	23	-	23

for M/s A B Sugars Ltd.

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Captive Power	10	4	14
Total Power Generation	33	4	37

5. The TOR (Terms of Reference) had been granted to the project by SEIAA/SEAC Punjab vide TOR letter number., SEIAA/2018/452 dated 09.04.2018. Public Hearing for the proposed project has been conducted by the State Pollution Control Board on 28.09.2018. The main issues raised during the public hearing are related to odour problems, employment opportunities and traffic issues on the existing road. It is informed that no litigation is pending against the proposal.

6. The existing project has been granted environmental clearance vide letter no J-11011/764/2007-IA.II(I) dated 03.06.2010 by MoEF&CC for the capacity of 7000 TCD and cogeneration power plant of 33 MW. The unit has valid consent to operate from Punjab Pollution Control Board (PPCB) vide consent order no. R14HSPCTOW1408673 valid up to 19.09.2022 and is fully compliant and committed. Public Hearing for the proposed project has been conducted by the State Pollution Control Board on 28.09.2018. The Public Hearing was presided over by the Additional Deputy Commissioner. The main issues raised during the public hearing are related to odour problems, employment opportunities and traffic issues on the existing road. Certified compliance report has been granted to the project on 15th June, 2020 vide letter no 5-122/2008-RO(North Zone)/247-279 by RO, MoEF&CC.

7. The project is for expansion of an existing Sugar Mill on the same plot area i.e., 6,87,966 sqm or 170 acres (Sugar Mill area-59 acre). A Distillery Unit of 24 acres is present within the 170 acre land for which separate Environmental Clearance have been taken and due considerations were taken care while carrying out baseline study and assessing impact.

8. Industry has already developed greenbelt in an area of 32.3 % i.e., 55 acres out of the total area of 170 acres for the project. The green area after expansion will be 36.4% i.e. 62 acres out of the total area of 170 acres. Moreover, 4 acres nearby land has been recently purchased by M/s AB Sugars Ltd and this land shall be utilised for green belt development.

9. The estimated cost of expansion project is Rs.170 crores and the total project including existing investment of Rs.208 crore shall be Rs.378 crores. Unit shall spend a total of Rs.656 lakhs towards capital expenses earmarked towards environmental pollution control measures and the Recurring cost towards protection of environment (operation and maintenance) will be about Rs.72 lakhs per annum. Existing unit employs 217 workers and after expansion, the total manpower will be 250. The Industry proposes to allocate 127 lakhs for the expansion part towards social activities like improvement in infrastructure of schools; medical checkup for locals etc.

10. There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. However, the Drain Near Rice Mill is the nearest waterbody flowing at a distance of 0.77 km South direction.

11. Ambient air quality monitoring was carried out at 8 locations during October 2017 - December 2017 and again collected between 15th March 2018 - 15th April 2018. The baseline data indicates the ranges of concentrations as: PM₁₀ (61-120.9 µg/m³), PM_{2.5} (28.1-51.8 µg/m³), SO₂ (6.2-13.8 µg/m³) and NO₂ (15.8-33.3 µg/m³). AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 0.605 µg/m³, 0.514 µg/m³ and 2.57 µg/m³ with respect to PM₁₀, SO₂ and NO₂. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).


EC for M/s A B Sugars Ltd.

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12. PP reported that in the Existing phase, the total water requirement is 6166 m³/day out of which 859 m³/day is the freshwater demand. After Expansion, total water requirement after expansion will be 7729 m³/day, out of which fresh water requirement of 608 m³/day will be met from Bore well.

13. In Existing unit, 2034 KLD industrial wastewater will be treated through existing 3500 KLD ETP Capacity. The unit is complying zero liquid discharge (ZLD) norms After expansion, total effluent of 1114 KLD quantity will be treated through 3500 KLD ETP Capacity and the plant shall remain ZLD unit.

14. Power requirement after expansion will be 13,500 KW including existing 9,000 KW and will be met from In House Co-Generation Power Plant. For Power backup 1x500 kVA and 1x725 kVA Existing (Fuel-HSD) are used as standby during power failure. Stack (height-6 m above the shed height) has been provided as per CPCB norms to the DG sets. Existing unit has 80 TPH, 32 x 2nos TPH & 120 TPH bagasse-based boilers and no additional boilers shall be proposed.

15. Details of Process emissions generation and its management:

S. No.	Existing Air pollution sources	Type of fuel	Fuel Qty.	Pollution control measures	Chimney height AGL	MOC
1	80 TPH boiler	Bagasse	37 TPH	Wet Scrubber	Height - 50 Mts stack AGL Dia – 2.0 m	MS
2	2 x 32 TPH boiler	Bagasse	30 TPH	Wet Scrubber	Height - 50 Mts stack AGL Dia – 2.0 m	MS
3	120 TPH Boiler	Bagasse	47 TPH	ESP	Height - 65 Mts stack AGL Dia – 2.5 m	MS
4	500 kVA- Standby DG SET	HSD	100 l/hr	-	6 Mts stack AGL	MS
5	725 kVA- Standby DG SET	HSD	150 l/hr	-	6 Mts stack AGL	MS

16. Details of Solid waste & Hazardous waste generation and its management:

Solid Waste Management:

Category	Type of Waste	Colour of Bins	Disposal Method	(Existing) Total Waste (kg/day)	Additional Proposed waste (kg/day)	(After Expansion) Total Waste (kg/day)
Bio-Degradable	Organic Waste (Includes Food & Kitchen Waste, Leaves etc.)	Green	To solid waste disposal site	24	4	28


EC for M/s A B Sugars Ltd.

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Non-Biodegradable	Recyclable Waste (Includes Poly-bags, Plastic, wood, paper, glass, containers etc.)	Blue	Approved Recycler	10	2	12
Total				34 kg/day	6 kg/day	40 g/day

Process waste

Process Waste	Existing (Tonnes/day)	Additional Proposed (Tonnes/day)	Total after expansion (Tonnes/day)	Disposal Method
Bagasse	1960	1400	3360	Used as fuel in Boiler for producing Steam.
Ash Content	29	21	50	Ash is being given to the contractor for disposal at the farmer's field. Same shall be followed after expansion.
Molasses	315	225	540	Used in existing Distillery for Alcohol Production present in the premises.
Press Mud/Filter Cake	294	210	504	It shall be sold out to the farmers and brick manufacturers. It shall not be kept in the premises.

Hazardous Waste

Name of Process	Name of Process Waste	Existing Quantity	Additional Proposed Quantity	Total Quantity after Expansion	Disposal Method
Industrial operations using mineral/synthetic oil as lubricant in hydraulic systems (Schedule I)	Used/spent oil	15 litre/month	-	15 litre/month	It shall be disposed in leak proof container & disposed to authorized common collection centre provided the oil meets the standards as per schedule -5 Part A rule
Purification and treatment of exhaust air, water and waste water from the processes in this schedule and CETPs	Chemical sludge from wastewater treatment	1100 kg/day	-	1100 kg/day	Horticulture Development

EC for M/s A B Sugars Ltd.

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(Schedule I)					
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17. PP reported that the boiler Ash is being given to the contractor for disposal at the farmer's field. Same shall be done after expansion. No major emissions are envisaged; The Process emissions are controlled by providing closed circuit for production to avoid odour of Press mud, shall directly send to the brick manufacturers & farmers without storing in the premises. The spent wash from the distillery will be taken into a multiple effect evaporator and it will be converted into a high calorific slurry which will be used in the boiler as fuel. Therefore, there will be no odour problem from the project.

18. The proposal was considered by the Expert Appraisal Committee (Industry-3) in its meetings held during **8-9 December, 2020** in the Ministry, wherein the project proponent and their accredited consultant M/s Perfect Enviro Solutions Pvt Ltd. presented the EIA/EMP report as per the ToR. The Committee found the EIA/EMP report complying with the ToR and recommended the project for grant of environmental clearance.

19. The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with the report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent. The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the report. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

The Committee noted that the EIA/EMP report is satisfactory for the project, reflecting the present environmental concerns and the projected scenario for all the environmental components. The Committee has found the baseline data and incremental GLC due to the proposed project within NAAQ standards. The Committee has also deliberated on the public hearing issues, action plan and found to be addressing the issues in the study area. The Committee has also deliberated the certified compliance report of earlier EC conditions and found in order. The Committee was of the considered view that the PP should have submitted integrated project of Sugar and Distillery for appraisal. The Committee suggested that ZLD shall be achieved in letter and spirit and no treated effluent shall be discharged to the project area or for horticulture development, in turn, it shall be utilized in the Distillery unit. The Committee has found the additional information submitted by the project proponent to be satisfactory and addressing the issues raised by the Committee.

20. The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

21. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-3), Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project for **Expansion of Sugar Mill (7000 TCD to 12,000 TCD) and Co-generation Power Plant of 33 MW to 37 MW by M/s A B Sugars Ltd. Located at Chadha Estate, Village Randhawa, Tehsil-Dasuya, District- Hoshiarpur,**


EC for M/s A B Sugars Ltd.

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Punjab, under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions as under:-

A. Specific Condition

- (i). The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- (ii). As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises. Treated effluent shall be reused in the process/utilities in the sugar unit and in the Distillery unit. Treated Industrial effluent shall not be used for gardening/greenbelt development/horticulture in the project area.
- (iii). Total fresh water requirement shall not exceed 608 cum/day proposed to be met from bore well/ground water source. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
- (iv). Occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
- (v). The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of highpressure hoses for equipment clearing to reduce wastewater generation.
- (vi). The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map.
- (vii). The activities and the action plan proposed by the project proponent to address the public hearing and socio-economic issues in the study area, shall be completed as per the schedule presented before the Committee and as described in the EMP report in letter and spirit. All the commitments made during public hearing shall be satisfactorily implemented. Preference shall be given to local villagers for employment in the unit.
- (viii). Storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.
- (ix). There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.
- (x). Project Proponent shall reduce the quantity of effluents generation in the unit and PP shall install the effective wastewater treatment system. Adequate system shall be in place for controlling the odour and mitigation measures to protect the contamination of ground/surface water.
- (xi). Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be

 JEC for M/s A B Sugars Ltd.

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transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.

- (xii). A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

B. General Condition:

- (i) No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. 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/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- (ii) The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
- (iii) 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 the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- (iv) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- (v) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change 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.
- (vi) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZillaParishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- (vii) 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&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
- (viii) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State 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


EC for M/s A B Sugars Ltd.

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environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.

- (ix) 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 and at <https://parivesh.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.
- (x) 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.
- (xi) This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

22. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

23. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

24. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

25. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

26. This issues with the approval of the competent authority.

(Dr. R. B. Lal)
Scientist 'E'/Additional Director

Email: rb.lal@nic.in

Tele-fax: +91-11-24695362

(Dr. R. B. LAL)

वैज्ञानिक 'ई'/Scientist 'E'

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

Min. of Environment, Forest and Climate Change

भारत सरकार, नई दिल्ली

Govt. of India, New Delhi

Copy to: -

1. Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (NZ), Bays No. 24-25, Sector 31 A, Dakshin Marg, Chandigarh – 160030
2. The Secretary, Department of Forest & Wild Life Preservation, Government of Punjab, Forest Complex, Kumbra Road, Sector-68, S.A.S. Nagar (Mohali), 140110

EC for M/s A B Sugars Ltd.

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3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
4. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala.
5. The Member Secretary, Central Ground Water Authority, 18/11, Jamnagar House, Man Singh Road, New Delhi-110011
6. The District Collector, District Hoshiyarpur, Punjab
7. Guard File/Monitoring File/Website/Record File/Parivesh portal


(Dr. R. B. Lal)
Scientist 'E'/Additional Director



PUNJAB POLLUTION CONTROL BOARD

Invest Punjab, Udyog Bhawan, Sector 17, Chandigarh

Website:- www.ppcb.gov.in

Office Dispatch No : Registered/Speed Post Date:
Industry Registration ID: R12HSP36431 Application No : 15781781

To,

Sh Manmeet Singh
A/6, Behind Radha Cinema,
Rampur, Rampur-244901

Subject: Grant of "Consent to Establish"(NOC) for Expansion of an existing industrial unit u/s 25 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981.

With reference to your application for obtaining 'Consent to Establish'(NOC) for Expansion of an existing industrial plant u/s 25 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981, you are, hereby, permitted to expand the existing industrial unit to discharge the effluent(s) & emission(s) arising out of your premises subject to the Terms and Conditions as specified in this Certificate.

1. Particulars of Consent to Establish (NOC) for Expansion granted to the Industry

Certificate No.	CTE/Exp/HSP/2021/15781781
Date of issue :	27/09/2021
Date of expiry :	25/05/2022
Certificate Type :	Expansion
Previous CTE/CTO No. & Validity :	CTOW/Renewal/HSP/2019/9400729 From:20/09/2019 To:19/09/2022

2. Particulars of the Industry

Name & Designation of the Applicant	Balwant Singh Garewal, (President)
Address of Industrial premises	A.b. Sugars Ltd., Vill. Randhawa, P.o. Panwan, Tehsil Dasuya, Dasuya, Hoshiarpur-144205
Existing Capital investment of the industry	22643.42 lakhs
Capital investment for Expansion Project	17000.00 lakhs
Category of Industry	Red
Type of Industry	Sugar
Scale of the Industry	Large
Office District	Hoshiarpur
Consent Fee Details	Rs. 216500/- vide UTR no. SBINR52021050723868788 dated 07.05.2021

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A.b. Sugars Ltd., Vill. Randhawa, P.o. Panwan, Tehsil Dasuya, Dasuya, Hoshiarpur, 144205

Page 1



Raw Materials (Name with quantity per day)	SUGARCANE (EXISTING) @7000Metric Tonnes/Day SUGARCANE (PROPOSED) @5000Metric Tonnes/Day BAGASSE FOR 33 MW CO-GENERATION POWER PLANT (EXISTING) @202Metric Tonnes/Day BAGASSE FOR 4 MW CO-GENERATION POWER PLANT (PROPOSED) @28Metric Tonnes/Day
Products (Name with quantity per day)	SUGAR @1200Metric Tonnes/Day SUGAR (EXISTING) @700Metric Tonnes/Day SUGAR (PROPOSED) @500Metric Tonnes/Day ELECTRICITY @37Megawatt ELECTRICITY (EXISTING) @33Megawatt ELECTRICITY (PROPOSED) @4Megawatt
By-Products, if any,(Name with quantity per day)	BAGASSE (EXISTING) @224Metric Tonnes/Day BAGASSE (PROPOSED) @160Metric Tonnes/Day PRESS MUD (EXISTING) @28Metric Tonnes/Day PRESS MUD (PROPOSED) @20Metric Tonnes/Day MOLASSES (EXISTING) @28Metric Tonnes/Day MOLASSES (PROPOSED) @20Metric Tonnes/Day
Details of the machinery and processes	As per the application form.
Details of the Effluent Treatment Plant	Trade Effluent @2400.0 KLD - Effluent Treatment Plant of capacity 3500 KLD. Domestic Effluent @300.0 KLD - Sewage Treatment Plant (STP)
Mode of Disposal of Effluent	The industry shall recycle its treated trade effluent back into the process/ utilities in the sugar unit & distillery unit and shall ensure Zero Liquid Discharge (ZLD) norms, at all times. Treated domestic effluent @ 300 KLD shall be discharged onto land for plantation within premises in an area of 55 acres developed as plantation.
Standards to be achieved under Water (Prevention & Control of Pollution) Act, 1974	As prescribed by the CPCB/Board/ MoEF&CC
Sources of emissions and type of pollutants	Boiler of capacity 80 TPH - SPM Boiler of capacity 120 TPH - SPM 02 DG sets of capacity 725 KVA & 500 KVA - SPM, SO _x , NO _x .
Mode of disposal of emissions with stack height	Boiler of capacity 80 TPH - Wet Scrubber as APCD followed by stack of height 50 m AGL. Boiler of capacity 120 TPH - ESP as APCD followed by stack of height 50 m AGL. 02 DG sets of capacity 725 KVA & 500 KVA - Stack of height as per following formula: $H = h + 0.2 (KVA)^{0.5}$ where h = height of the building in meters where the generator set is installed.

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Quantity of fuel required in TPD	Boiler of capacity 80 TPH - Bagasse & rice husk @ 800 TPD Boiler of capacity 120 TPH - Paddy Straw, Bagasse & rice husk @ 1280 TPD 02 DG sets of capacity 725 KVA & 500 KVA - HSD as fuel
Type of Air Pollution Control Devices to be installed	Boiler of capacity 80 TPH - Wet Scrubber as APCD Boiler of capacity 120 TPH - Electro Static Precipitator(ESP) as APCD
Standards to be achieved under Air (Prevention & Control of Pollution) Act, 1981	As prescribed by the CPCB/Board/MoEF&CC

28/09/2021

(Guneet Sethi)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

Endst. No.:

Dated:

A copy of the above is forwarded to the following for information and necessary action please:

1. Senior Environmental Engineer, Zonal Office, Jalandhar.
2. Environmental Engineer, Regional Office, Hoshiarpur.

28/09/2021

(Guneet Sethi)
Environmental Engineer

For & on behalf

of

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(Punjab Pollution Control Board)



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A. GENERAL CONDITIONS

1. The industry shall apply for consent of the Board as required under the provision of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981 & Authorization under Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016, two months before the commissioning of the industry.
2. The industry shall provide adequate arrangements for fighting the accidental leakages/ discharge of any air pollutant/gas/liquids from the vessels, mechanical equipments etc. which are likely to cause environmental pollution.
3. The Industry shall apply for further extension in the validity of the CTE atleast two months before the expiry of this CTE, if applicable.
4. The industry shall comply with any other conditions laid down or directions issued by the Board under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 from time to time.
5. The project has been approved by the Board from pollution angle and the industry shall obtain the approval of site from other concerned departments, if need be.
6. The industry shall get its building plans approved under the provisions of section 3-A of Punjab Factory Rules, 1952.
7. The industry shall put up display board indicating the Environment data in the prescribed format at the main entrance gate.
8. The industry shall provide port-holes, platforms and/or other necessary facilities as may be required for collecting samples of emissions from any chimney, flue or duct or any other outlets.

Specifications of the port-holes shall be as under:-

- i) The sampling ports shall be provided atleast 8 times chimney diameter downstream and 2 times upstream from the flow disturbance. For a rectangular cross section the equivalent diameter (De) shall be calculated from the following equation to determine upstream, downstream distance:-

$$De = 2 LW / (L+W)$$

Where L= length in mts. W= Width in mts.
 - ii) The sampling port shall be 7 to 10 cm in diameter
9. The industry shall discharge all gases through a stack of minimum height as specified in the following standards laid down by the Board.

(i) Stack height for boiler plants

S.NO.	Boiler with Steam Generating Capacity	Stack heights
1.	Less than 2 ton/hr.	9 meters or 2.5 times the height of neighboring building which ever is more
2.	More than 2 ton/hr. to 5 ton/hr.	12 meters
3.	More than 5 ton/hr. to 10 ton/hr	15 meters
4.	More than 10 ton/hr. to 15 ton/hr	18 meters
5.	More than 15 ton/hr. to 20 ton/hr	21 meters
6.	More than 20 ton/hr. to 25 ton/hr.	24 meters
7.	More than 25 ton/hr. to 30 ton/hr.	27 meters
8.	More than 30 ton/hr.	30 meters or using the formula $H = 14 Q_g^{0.3}$ $H = 74 (Q_p)^{0.24}$ Where Q_g = Quantity of SO ₂ in Kg/hr. Q_p = Quantity of particulate matter in Ton/day.

Note : Minimum Stack height in all cases shall be 9.0 mtr. or as calculated from relevant formula whichever is more.

(ii) For industrial furnaces and kilns, the criteria for selection of stack height would be based on fuel used for the corresponding steam generation.

(iii) Stack height for diesel generating sets:

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Capacity of diesel generating set	Height of the Stack	
0-50 KVA	Height of the building	+ 1.5 mt
50-100 KVA	-do-	+ 2.0 mt.
100-150 KVA	-do-	+ 2.5 mt.
150-200 KVA	-do-	+ 3.0 mt.
200-250 KVA	-do-	+ 3.5 mt.
250-300 KVA	-do-	+ 3.5 mt.

For higher KVA rating stack height H (in meter) shall be worked out according to the formula:

$$H = h + 0.2 (KVA)^{0.5}$$

where h = height of the building in meters where the generator set is installed.

10. The industry shall put up canopy on its DG sets and also provide stack of adequate height as per norms prescribed by the Board and shall ensure the compliance of instructions issued by the Board vide office order no. Admin./SA-2/F.No.783/2011/448 dated 8/6/2010.
11. The industry shall put up canopy on its DG sets and also provide stack of adequate height as per norms prescribed by the Board and shall ensure the compliance of instructions issued by the Board vide office order no. Admin./SA-2/F.No.783/2011/448 dated 8/6/2010.
 - (i) Once in Year for Small Scale Industries.
 - (ii) Four in a Year for Large/Medium Scale Industries.
 - (iii) The industry will submit monthly reading/ data of the separate energy meter installed for running of effluent treatment plant/re-circulation system to the concerned Regional Office of the Board by the 5th of the following month.
12. The industry shall provide flow meters at the source of water supply, at the outlet of effluent treatment plant and shall maintain the record of the daily reading and submit the same to the concerned Regional Office by the 5th day of the following month.
13. The industry shall make necessary arrangements for the monitoring of stack emissions and shall get its emissions analyzed from lab approved / authorized by the Board:-
 - (i) Once in Year for Small Scale Industries.
 - (ii) Twice/thrice/four time in a Year for Large/Medium Scale Industries.
14. The pollution control devices shall be interlocked with the manufacturing process of the industry.
15. The Board reserves the right to revoke this "consent to establish" (NOC) at any time, in case the industry is found violating any of the conditions of this "consent to establish" and/or the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 as amended from time to time.
16. The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per acre along the boundary of the industrial premises.
17. The issuance of this consent does not convey any property right in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local Laws or Regulations.
18. The consent does not authorize or approve the construction of any physical structures or facilities for undertaking of any work in any natural watercourse.
19. Nothing in this NOC shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected under this or any other Act.
20. The diversion or bye pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this consent is prohibited except.
 - (i) Where unavoidable to prevent loss of life or some property damage or
 - (ii) Where excessive storm drainage or run off would damage facilities necessary for compliance with terms and conditions of this consent. The applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.
21. The industry shall ensure that no water pollution problem is created in the area due to discharge of effluents from its industrial premises.

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22. The industry shall comply with the conditions imposed if any by the SEIAA/MOEF in the Environmental Clearance granted to it as required under EIA notification dated 14/9/06, if applicable.
23. The industry shall earmark a land within their premises for disposal of boiler ash in an environmentally sound manner, and / or the industry shall make necessary arrangements for proper disposal of fuel ash in a scientific manner and shall maintain proper record for the same, if applicable.
24. The industry shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 1991.
25. The industry shall submit a site emergency plan approved by the Chief Inspector of Factories, Punjab as applicable.
26. The industry shall provide proper and adequate air pollution control arrangements for control emission from its coal/fuel handling area, if applicable.
27. The Industry shall comply with the code of practice as notified by the Government / Board for the type of Industries where the siting guidelines / code of practice have been notified
28. Solids, sludge, filter backwash or other pollutant removed from or resulting from treatment or control of waste waters shall be disposed off in such a manner so as to prevent any pollutants from such materials from entering into natural water.
29. The industry shall submit a detailed plan showing therein, the distribution system for conveying waste-waters for application on land for irrigation along with the crop pattern to be adopted throughout the year.
30. The industry shall not irrigate the vegetable crops with the treated effluents which are used/ consumed as raw.
31. The industry shall ensure that its production capacity & quantity of trade effluent do not exceed the quantity mentioned in the NOC and shall not carry out any expansion without the prior permission/NOC of the Board.
32. All amendments/revisions made by the Board in the emission/stack height standards shall be applicable to the industry from the date of such amendments/revisions.
33. The industry shall not cause any nuisance/traffic hazard in vicinity of the area.
34. The industry shall maintain the following record to the satisfaction of the Board :-
 - (i) Log books for running of air pollution control devices or pumps/motors used for it.
 - (ii) Register showing the result of various tests conducted by the industry for monitoring of stack emissions and ambient air.
 - (iii) Register showing the stock of absorbents and other chemicals to be used for scrubbers.
35. The industry shall ensure that there will not be significant visible dust emissions beyond the property line.
36. The industry shall establish sufficient number of piezometer wells in consultation with the concerned Regional Office, of the Board to monitor the impact on the Ground Water Quantity due to the industrial operations, if applicable.
37. The industry shall provide adequate and appropriate air pollution control devices to contain emissions from handling, transportation and processing of raw material & product of the industry

28/09/2021

(Guneet Sethi)
Environmental Engineer
For & on behalf
of

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B. SPECIAL CONDITIONS

1. The industry shall comply with the conditions of the Environmental Clearance issued to it by MoEF&CC.
2. The industry shall comply with the directions/ orders issued by Board from time to time.
3. As per the cabinet Memorandum approved for utilization of paddy straw as fuel, sugar Mill undergoing expansion with new boiler will be eligible for incentives corresponding to the cost of Boiler being provided by the State, only if it is a paddy straw fired boiler.
4. In future, if the industry proposes to install any additional/new boiler then the preference must be given to paddy straw fired boiler.
5. In upcoming crushing season this year, the industry shall utilize paddy straw as fuel upto atleast 5 % (i.e 64 TPD) of the total fuel consumption in it's existing travelling grade boiler of capacity 120 TPH.
6. Next year onwards crushing seasons, the industry shall utilize paddy straw as fuel upto atleast 15 % (i.e 192 TPD) of the total fuel consumption in it's existing travelling grade boiler of capacity 120 TPH.
7. The industry shall maintain a proper record of daily consumption of paddy straw in the proposed boiler and shall submit monthly report in this regard to the concerned Regional Office.
8. The industry shall install 24 X 7 continuous monitoring system at process stacks to monitor stack emissions, as per the conditions of the environmental Clearance issued to it by MoEF&CC.
9. As already committed by the project proponent, Zero Liquid Discharge (ZLD) shall be ensured and no waste/treated water shall be discharged outside the premises. Treated effluent shall be reused in process/utilities in the Sugar Mill/ distillery unit. Treated industrial effluent shall not be used for gardening/ green belt development/ horticulture activities in the project area.
10. Total freshwater requirement shall not exceed 608 cum/day proposed to be met from bore well/ ground water source. Prior permission shall be obtained from PWRDA in this regard.
11. The industry shall comply with all the conditions of the Environmental Clearance issued to it by MoEF&CC.
12. The industry shall obtain all the statutory approvals/clearances from the concerned departments
13. The NOC is being issued to the industry based upon the documents/ information submitted by it alongwith the online application form. The Board would be at liberty to take penal action against the industry and its responsible/ concerned person(s) in case information/document is detected as incorrect/false/misleading at any point of time, without any opportunity of Personal Hearing.
14. In case the industry fails to comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environment (Protection) Act, 1986 and/or any other environmental law applicable to the project and Rules, Circulars & Directions issued by the Board from time to time, action as deemed fit shall be taken against the project proponent.

28/09/2021

(Guneet Sethi)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

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CHAPTER – 10

COMPLIANCE OF ENVIRONMENTAL STANDARDS

The industry has installed Effluent Treatment Plant (ETP) for the treatment of industrial as well as domestic effluent. The ETP installed by the industry always remains functional. The industry gets the monitoring conducted of ETP from the laboratory of Punjab Pollution Control Board. All the times, the various parameters are within the limits prescribed by Punjab Pollution Control Board for such discharges on to land for plantation purposes. As per the latest analysis conducted by the Board on dated 29.12.2023 during financial year 2023-24, the various parameters are within the limits prescribed by Punjab Pollution Control Board. (Analysis Report Attached)

The industry has installed 02 Nos. Multi Fuel Boilers having steam generation capacity of 80 TPH & 120 TPH. The stacks of the boilers are monitored periodically by the laboratory of the Punjab Pollution Control Board. All the times, the concentration of SPM level remains within the limits prescribed by Punjab Pollution Control Board. As per the latest analysis conducted by the Board on dated 02.02.2023 during financial year 2023-24, the various parameters are within the limits prescribed by Punjab Pollution Control Board. (Analysis Report Attached)





 **ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਰੋਕਥਾਮ ਬੋਰਡ** 
ਜ਼ੋਨਲ ਪ੍ਰਯੋਗਸ਼ਾਲਾ, ਫੋਕਲ ਪੁਆਇੰਟ, ਪੀ:ਐਸ:ਆਈ:ਈ:ਸੀ ਵਾਟਰ ਟੈਕ, ਜਲੰਧਰ
ਫੋਨ ਨੰਬਰ : 0181-2600301 www.ppcb.gov.in ਈ ਮੇਲ : zolabjalandhar@gmail.com

AIR/WATER SAMPLE ANALYSIS REPORT

1.	Laboratory Sample No	Lab/Water / 279-80 /2023
2.	Name of industry	M/s A.B Sugar Ltd, Village Randhawa Tehsil, Dasuya, Distt. Hoshiarpur.
3.	Name of Sample Collecting Officer	Er. Shiv Kumar (addl. SEE) Er. Jatinder Kumar (AEE) Er. Sukhpreet Singh (JEE)
4.	Type of Sample	Grab Monitoring
5.	Date of Sample Collection	29.12.2023
6.	Date of Sample Receipt in Lab	30.12.2023
7.	Point of sample collection	As per data sheet

RESULTS

S. No	PARAMETERS	Final Outlet of ETP	Final Outlet of STP
1.	pH	7.2	7.4
2.	COD (mg/l)	148	32
3.	BOD (mg/l)	35	8
4.	TSS (mg/l)	40	14
5.	TDS (mg/l)	910	322
6.	O & G (mg/l)	5.2	BDL
7.	MLSS (mg/l)	3040	-

B.S.
12/1/24
Analyzed by

[Signature]
Scientific Officer
Zonal Lab, Jalandhar

Endst.No. 133-35

Dated: 15/1/24

A copy of the above is forwarded to the following for information & necessary action along with data sheet:-

1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana.
2. The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office, Jalandhar.
3. The Environmental Engineer, Regional Office, Hoshiarpur along with extra copy of analysis report and data sheet for further transmission to the industry as per rules.

[Signature]
Asstt Scientific Officer
Zonal Lab, Jalandhar



ਜੇਨਲ ਪ੍ਰਯੋਗਸ਼ਾਲਾ, ਫੋਕਲ ਪੁਆਇੰਟ, ਪੀ:ਐਸ:ਆਈ:ਈ:ਸੀ ਵਾਟਰ ਟੈਕ, ਜਲੰਧਰ
ਫੋਨ ਨੰਬਰ : 01812600301 ਈਮੇਲ : solabjalandhar@gmail.com

ਨੰਬਰ..... ਮਿਤੀ.....

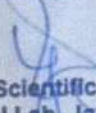
AIR/WATER SAMPLE ANALYSIS REPORT

1.	Laboratory Sample No	Lab/Air / 133 / 2023
2.	Name of Industry	M/s A.B Sugar Ltd, VIII. Randhawa Teh. Dasuya, Distt. Hoshiarpur.
3.	Name of Sample Collecting Officer	Er. Shiv Kumar (EE) Er. Jatinder Kumar (AEE) Ms. Gurjot Kaur (SA)
4.	Type of Sample	Stack Monitoring
5.	Date of Sample Collection	02.02.2023
6.	Date of Sample Receipt in Lab	03.02.2023
7.	Point of sample collection	As per data sheet

RESULTS

Sr. No	PARAMETERS	RESULT	Maximum Limit
1.	Particulate Matter (Boiler 120 TPH) mg/Nm ³	129	150
2.	Particulate Matter (Boiler 80 TPH) mg/Nm ³	101	150

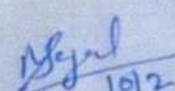
Note:- If any, other limits/specific standards have been prescribed time to time by MoEF & CC, CPCB and PPCB, then the other limits/specific standards would prevail subject to clarification from the concerned Regional office.

Analyzed by: -  Scientific Officer
Zonal Lab, Jalandhar

Endst.No. 381-83 Dated: 14/2/23

A copy of the above is forwarded to the following for information & necessary action along with data sheet to:-

1. The Chief Environmental Engineer, Air, Punjab Pollution Control Board, Jalandhar
2. The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal office, Jalandhar
3. The Environmental Engineer, Regional Office, Hoshiarpur along with extra copy of analysis report and data sheet for further transmission to the industry as per rules.


Asstt Scientific Officer
Zonal Lab, Jalandhar

CHAPTER – 11

FORM – V ENVIRONMENTAL STATEMENT

Environmental Statement for the financial year ending the 31st March 2024

PART – A

(i)	Name and address of the owner / occupier of the industry operation or process	:	Sh. Balwant Singh Grewal, President A.B. Sugars Ltd. (Sugar Division) Village Randhawa, P.O. Panwan Tehsil Dasuya, Distt. Hoshiarpur (Punjab)
(ii)	Industry category	:	Large Scale, Red Category
	Primary - (STC Code)	:	
	Secondary - (SIC Code)	:	Sugar & Co-generation power plant
(iii)	Production capacity - Units -----	:	Sugar : 700 MTD Co-generation : 33 MW Plant
(iv)	Year of Establishment	:	1992-93
(v)	Date of last environment statement submitted	:	September, 2023

PART – B

Water and Raw Material Consumption

(i) **Water Consumption m³/day (average 150 Days)
(on an annual average basis)**

Process	264.10	KLD
Cooling/Boiler	2167.40	KLD
Domestic	171.26	KLD (based on 150 working days or 70.38 KLD based on 365 days)

Sr. No.	Name of Products	Water Consumption per unit of product output	
		During the previous financial year (2022-23)	During the current financial year (2023-24)
		(1)	(2)
1.	Sugar	3.82 KL per Ton	4.36 KL per Ton

(ii) **Raw Material Consumption**

Sr. No.	Name of Raw Materials	Name of Products	Process water consumption	
			During the previous financial year (2022-23)	During the current financial year (2023-24)
			(1)	(2)
1.	Sugar Cane	Sugar	1074352.17 MT	991548.255 MT
			3.82 KL per Ton	4.36 KL per Ton

PART – C

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

	Pollutants (mg/l)	Conc. of Pollutants Discharged (mg/l)	Quantity of Pollutants Discharged (Kg/Day)	Standards Limit (mg/l)*	Percentage of variation from prescribed standard limit with reasons
(a) Waste Water Discharge (ETP)					
1	pH	7.2	--	5.5 – 9.0	Well below the prescribed limits/standards
2	COD	148	25.6	250	Well below the prescribed limits/standards
3	BOD	35	6.1	30	Well below the prescribed limits/standards
4	TSS	40	6.9	100	Well below the prescribed limits/standards
5	TDS	910	157.6	2100	Well below the prescribed limits/standards
6	O & G	5.2	0.9	10	Well below the prescribed limits/standards

	Pollutants (mg/l)	Conc. of Pollutants Discharged (mg/l)	Quantity of Pollutants Discharged (Kg/Day)	Standards Limit (mg/l)*	Percentage of variation from prescribed standard limit with reasons
(b)	Air (PM) mg/Nm ³				
(i)	Boiler @ 120TPH	129	--	150	Well below the prescribed limits/standards
(ii)	Boiler @ 80TPH	101	--	150	Well below the prescribed limits/standards

PART – D

HAZARDOUS WASTES

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

Hazardous Wastes	Total Quantity	
	During the previous financial year (2022-23)	During the current financial year (2023-24)
a) From Process	NIL	NIL
b) From Pollution Control Facility ETP Sludge	NIL	NIL
c) From D.G. Sets Used Oil from D.G. Sets & Refrigeration	0.275 MT	NIL

Note: - The industry is having its own co-generation plant of 33 MW, so, the D.G. sets installed by the industry are used in an emergency.

PART – E

SOLID WASTES

Solid Waste	Total Quantity During the Financial Year	
	Previous	Current
	2022-23	2023-24
(a) From Process		
NIL	NIL	NIL
(b) From Pollution Control Facility		
ETP Sludge	16.11 MT	15.91 MT
(c) Others		
Bagasse Ash	4872 MT	4482 MT
Press Mud	43277 MT	39815 MT

- a) From Process : NIL
- b) From pollution control : ETP sludge is lifted by the nearby farmers facilities to be used as manure in the fields.
- c) 1) Quantity recycled or re- : NIL
utilized within the unit

- 2) Sold : – The used oil is sold to the authorised recyclers.
- 3) Disposal : – ETP sludge is lifted by the nearby farmers to be used as manure in the fields.

– Beggase Ash is lifted by the contractor for dumping in the low-lying areas for filling purpose in an environmentally sound manner.

PART – F

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

Hazardous Waste		Quantity	Collection / Storage	Disposal
(a)	From Process			
	ETP Sludge which is Non-hazardous	15.91 MT	Sludge Drying Beds	Lifted by nearby farmers to be used as manure in the fields
(b)	From D.G. Sets	NIL	In MS Drums	Agreement with authorized recycler has been made

Solid Waste	Quantity	Disposal
From Process		
NIL	NIL	NIL
From Pollution Control Plant		
ETP Sludge	15.91 MT	Lifted by nearby farmers to be used as manure in the fields
Other Sources		
Bagasse Ash from Boiler Furnace	4482 MT	Bagasse Ash is lifted by the contractor for dumping in the low lying areas for filling purpose in an environmentally sound manner.
Press Mud	39815 MT	In-house vegetation
Used Oil from D.G Sets	NIL	Agreement with authorized recycler has been made

PART – G

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

➤ **Conservation of Energy: Industry accords high priority to conservation of energy and has taken number of measures in this direction such as:**

- Maximum utilization of natural light where possible, hence saving in energy consumption.
- Utilizing maximum power factor by installing capacitors and saving in maximum demand power.
- Timely maintenance of machines.
- Constant replacement of outdated energy intensive equipments with latest technology energy saving equipments.
- Continuation of installing LED's by replacement of CFL/ conventional system.
- Effective control on utilization of energy.

➤ **Minimizing Water Consumption**

Water consumption has been minimized by a combination of water saving devices and other domestic water conservation measures. To ensure ongoing water conservation, awareness programmes have been conducted for the awareness of all workers of the industry. The following measures are being adopted.



- Use of water efficient plumbing fixtures. Water efficient plumbing fixtures use less water with no marked reduction in quality and service.
- Leak detection and repair techniques.
- Awareness campaign to disseminate knowledge on strategies and technologies that can be used for water conservation.

PART – H

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

- Large area has been covered with trees & plantation and continuance of plantation of trees in the green belt area.
- Creating awareness regarding environment and safety among employees.
- Tree plantation has good survival rate.
- The industry has planted 2000 plants surrounding the industrial premises during the period under report.
- The industry is controlling, monitoring & complying with environmental standards and legislations. Several environmental initiatives are taken from time to time such as energy conservation measures and waste management, to ensure cleaner and healthier environment.
- The industry is maintaining the record of E-waste generation and is sold to the authorized recycler of the Punjab Pollution Control Board.
- The industry is also submitting Annual Returns regarding E-waste management every year before due date.
- The industry has its own stack emission monitoring kit for the regular monitoring of SPM in stack emission.



- The industry is carrying on activities i.e. continuous spraying of insecticide by spray machine and defogging machine in surrounding villages for removal of flies & mosquitoes.
- The industry has obtained the license from Food Safety & Standards Authority of India for food safety vides no. 10014063000335 dated 13.03.2019 valid upto 12.03.2024. (Copy Enclosed as **Annexure - A**)

PART – I

Any other particulars for improving the quality of the environment.

- The industry has installed 02 Nos. D.G Sets of capacity 725 KVA & 500 KVA which are fitted with canopies and adequate stack heights of 6.0 metre above roof level.
- Environment Friendly Atmosphere is maintained in the industry.
- Trainings for development of knowledge of the employees are conducted periodically.
- The industry is getting “Performance Study of Effluent Treatment Plant” (ETP) done periodically from the laboratory of the Board.
- The industry is getting stack monitoring conducted of boiler furnace periodically from the laboratory of the Board.
- Total land use for agro forestry purpose by the industry is 55 acres approximately.
- Total number of 24300 trees already planted inside the industry premises.
- The industry planted trees inside the industry premises during the financial year 2023-24. Besides these, decorative trees, Bushes, Ashoka Trees, Palm Trees, Roses etc. are also planted inside the industry premises.



Annexure – A



Food Safety & Standards Authority of India

भारतीय खाद्य संरक्षा एवं मानक प्राधिकरण

A Statutory Authority under FSS Act, 2006

(एफ एस एस अधिनियम, 2006 के अधीन एक सांविधिक प्राधिकरण)

1st Floor, NBCC place,

Bhism Pitamah Marg, Pragati Vihar, New Delhi- 110003

(Above office of Resident commissioner of Uttar Pradesh)

Contact No. 011-24369457

भूमि तल, सी एच ई बी बिल्डिंग, कोटला रोड, नई दिल्ली-110002

Dated/दिनांक: 22/01/2019

A.B. SUGARS LIMITED (SUGAR DIVISION)

Village Randhawa, P O - Panwan, Tehsil Dasuya

Dist. Hoshiarpur Punjab, Hoshiarpur (Punjab),
144205

Subject: Grant of License (Renewal)

विषय: लाइसेंस (नवीकरण) प्रदान करना

Sir,
महोदय,

Please refer to your Application ID CLS19010000319462 dated 22/01/2019 regarding grant of Renewed license under FSS Act, 2006. The Renewed license for the above mentioned application is granted as per the details given below:

कृपया आप एफ एस एस अधिनियम, 2006 के अंतर्गत नवीकरण लाइसेंस प्रदान करने के संबंध में अपने आवेदन CLS19010000319462 दिनांक 22/01/2019 का संदर्भ देखें। उपर्युक्त उल्लिखित आवेदन के लिए नवीकरण लाइसेंस नीचे दिए गए ब्यौरे के अनुसार प्रदान किया जाता है:

License Number/लाइसेंस संख्या	Category of License/लाइसेंस की श्रेणी	Date of Grant/प्रदान करने की तारीख	Validity/विधिमान्यता
10014063000335	Central	13/03/2019	12/03/2024

The License is granted under and is subject to the provisions of Food Safety & Standards Act 2006, and Food Safety & Standards (Licensing and Registration of Food Businesses) Regulation, 2011.

लाइसेंस खाद्य संरक्षा एवं मानक अधिनियम 2006 तथा खाद्य संरक्षा एवं मानक (खाद्य व्यवसायियों को लाइसेंस देने तथा पंजीकरण) विनियम, 2011 के अधीन एवं इसके शर्तों पर प्रदान किया जाता है।

The license should be kept in safe custody within the authorized premises and should be made available as and when required by licensing authority or their officials. A true copy of the license shall be displayed at a prominent place at all times within the authorized premises where the food business is carried out. The application for renewal of license must be made in the specified format not later than 30 days prior to the expiry of validity mentioned above, after which Rs.100 per day will be charged up to the date of expiry. After expiry a fresh online application for grant of a new license will be required.

लाइसेंस को प्राधिकृत परिसर में सुरक्षित अभिरक्षा में रखा जाना चाहिए तथा आवश्यकता पड़ने पर लाइसेंस प्राधिकारी या उनके अधिकारियों द्वारा उपलब्ध कराया जाना चाहिए। लाइसेंस की सही प्रति को प्राधिकृत परिसर, जहां खाद्य व्यवसाय किया जाता है के अंतर्गत प्रमुख स्थान पर प्रदर्शित किया जाएगा। लाइसेंस के नवीकरण हेतु आवेदन उपर्युक्त उल्लिखित विधिमान्यता समाप्त होने की तारीख से पहले 30 दिन से



अंक नहीं अवधि में विनिर्दिष्ट फॉर्मेट में अवश्य किया जाना चाहिए जिसके बाद समाप्ति की तारीख तक 100 रु प्रति दिन के हिसाब से शुल्क लिया जाएगा। समाप्ति के बाद नए सिरे से नवीन लाइसेंस देने के लिए ऑनलाइन आवेदन करने की जरूरत होगी।

Please note that your application had been considered on the basis of the documents submitted. The authorized premises shall be inspected for verifications of information provided and to ensure compliance with all relevant provisions of the Act and Regulations. You shall also be responsible to ensure compliance with all acts, norms, regulations etc. pertaining to fire, electricity and electrical equipment, environment etc. as stipulated by the respective state authorities.

कृपया यह नोट करें कि आपके आवेदन पर प्रस्तुत किए गए दस्तावेज के आधार पर विचार किया गया था। प्राधिकृत परिसरों का निरीक्षण दी गई सूचना के सत्यापन तथा यह सुनिश्चित करने के लिए किया जाएगा कि अधिनियम तथा विनियमों के सभी प्रासंगिक उपबंधों का अनुपालन हो रहा है। आप सभी अग्नि, विद्युत तथा विद्युत उपस्कर, पर्यावरण इत्यादि जिसका निर्धारण राज्य प्राधिकारियों द्वारा किया गया है से संबंधित सभी अधिनियमों, मानकों, विनियमों आदि के अनुपालन को सुनिश्चित करने के लिए भी जिम्मेवार होंगे।

Enclosure: Original License under FSS Act, 2006
अनुलग्नक:- एफ एस एस अधिनियम, 2006 के अधीन मूल लाइसेंस

Central Licensing Authority
केन्द्रीय लाइसेंस प्राधिकारी
Food Safety & Standards Authority of India
भारतीय खाद्य संरक्षा एवं मानक प्राधिकरण

Region name/क्षेत्र का नाम : Delhi Regional Office – I

Email Id/ईमेल आईडी : bs.acharya@fssai.gov.in

Phone No/फोन नंबर : 011-24369457



भारत सरकार
Government of India
भारतीय खाद्य संरक्षा एवं मानक प्राधिकरण
Food Safety and Standards Authority of India



खाद्य संरक्षा और मानक अधिनियम, 2006 के अधीन अनुज्ञप्ति
License under Food Safety and Standards Act, 2006

अनुज्ञप्ति संख्या / License Number : **10014063000335**

1. अनुज्ञप्तिधारी के पंजीकृत कार्यालय का नाम और पता
Name & Registered Office Address of Licensee
A.B. SUGARS LIMITED (SUGAR DIVISION)
Mezzanine Floor, M-4, South Extension Part - II, New Delhi(Delhi), -110049
2. प्राधिकृत परिसरो का पता
Address of Authorized Premises
Village Randhawa, P O - Panwan, Tehsil Dasuya Dist. Hoshiarpur
Punjab,Hoshiarpur(Punjab), -144205
3. कारोबार का प्रकार / Kind of Business
Manufacturer,Storage (Except Controlled Atmosphere and Cold)
4. डेयरी कारोबार विवरण हेतु / Dairy Business Details
N.A.
5. अनुज्ञप्ति का वर्ग / Category of License :
Central

यह अनुज्ञप्ति खाद्य संरक्षा और मानक अधिनियम, 2006 के अधीन अनुदत्त की गई और वह अधिनियम के उपबंधों के अध्यादीन है जिनका अनुज्ञप्तिधारी द्वारा अवश्य पालन किया जाना चाहिए / This license is granted under and is subject to the provisions of FSS Act, 2006 all of which must be complied with by the licensee.

स्थान / Place : Delhi Regional Office – I
दिनांक / Date : 22/01/2019

खा. सं. और मा. अधि., 2006 के अधीन केंद्रीय अनुज्ञापन अधिकारी
Central Licensing Authority under FSSA, 2006

विधिमाम्यता और नवीनीकरण / Validation And Renewal

License Issue / Renewal Date	Period of validity	License Fee Paid	Items of Food products with capacities authorized to Manufacture/ Re-pack/ Re-label	Installed handling Capacity	Signature Of Designated Officer
13/03/2019	12/03/2024	Rs. 37500 (Renewal)	Please refer to annexure.	Please refer to annexure.	
13/03/2014	12/03/2019	Rs. 7500 (Modification)	Please refer to annexure.	Please refer to annexure.	

Disclaimer-This License is only to commence or carry on food businesses and not for any other purpose.



Annexure

भारत सरकार
Government of India
भारतीय खाद्य संरक्षा एवं मानक प्राधिकरण
Food Safety and Standards Authority of India



खाद्य संरक्षा और मानक अधिनियम, 2006 के अधीन अनुज्ञप्ति
License under Food Safety and Standards Act, 2006

अनुज्ञप्ति संख्या / License Number : **10014063000335**

Kind of Business : Manufacturer

Items of Food products with Installed capacities authorized to Manufacture/ Re-pack/Re-label

Other food processing units

Sl.No.	Product Description	Quantity (MT/Day)	Kind of Business
1	Plantation White Sugar	630	Manufacturer

Kind of Business : Food Business Operator

Storage (Except Controlled Atmosphere and Cold)

Sl.No	Product Description
1	11 - Sweeteners, including honey

Stamp and signature of Designated Officer

स्थान / Place : Delhi Regional Office – I
दिनांक / Date : 22/01/2019

खा. सं. और मा. अधि., 2006 के अधीन केंद्रीय अनुज्ञापन
अधिकारी
Central Licensing Authority under FSSA, 2006



Validation And Renewal Annexure

भारत सरकार
Government of India

भारतीय खाद्य संरक्षा एवं मानक प्राधिकरण
Food Safety and Standards Authority of India



खाद्य संरक्षा और मानक अधिनियम, 2006 के अधीन अनुज्ञप्ति
License under Food Safety and Standards Act, 2006

अनुज्ञप्ति संख्या / License Number : **10014063000335**

License Issue / Renewal Date	Period of validity	License Fee Paid	Items of Food products with capacities authorized to Manufacture/ Re-pack/ Re-label	Installed handling Capacity	Signature Of Designated Officer
13/03/2014	12/03/2019	Rs. 7500 (For Modification)	--	--	
13/03/2014	12/03/2019	Rs. 7500 (For Modification)	--	--	
13/03/2019	12/03/2024	Rs. 37500 (For Renewal)	Please refer to annexure for details.	Please refer to annexure for details.	



Condition of License

All Food Business operators shall ensure that the following conditions are complied with at all times during the course of its Food Business.

Food Business Operators Shall:

1. Display a true copy of the license granted in Form C shall at all time at a prominent place in the premises.
2. Give necessary access to licensing authorities or their authorized personnel to the premises.
3. Inform authorities about any change or modifications in activities.
4. Employ at least one technical person to supervise the production process. The person supervising the production process shall possess at least a degree in science with Chemistry/ Bio-chemistry/ Food and nutrition/ Microbiology or a degree or diploma in Food Technology/ Dairy Technology/ Dairy Microbiology/ Dairy chemistry/ Dairy engineering/ Oil technology/ Veterinary science / Hotel management & Catering technology or any degree or diploma in any other discipline related to the specific requirement of the business from a recognized university or institute or equivalent.
5. Furnish periodic annual return 1st April to 31st March, with in 31st May of each year. For collection/ handling/manufacturing of milk and milk product half yearly return also to be furnished as specified.
6. Ensure that no product other than the product indicated in the license /registration is produced in the unit.
7. Maintain factory's sanitary and hygienic standards and workers hygiene as specified in the schedule-4 according to the category of food business.
8. Maintain daily records of production, raw materials utilization and sales separately.
9. Ensure that the source and standards of raw material used are of optimum quality.
10. Food business operator shall not manufacture , store or expose for sale or permit the sale of any article of food in any premises not effectively separated to the satisfaction of the licensing authority from any privy, urine, sullage ,drain or place of storage of foul and waste matter
11. Ensure clean-in-place system (whatever necessary) for regular cleaning of machine & equipment.
12. Ensure testing of relevant chemical and/or microbiological contaminants in food products in accordance with these regulation as frequency as required on the basis of historical data and risk assessment to ensure production and delivery of safe food through own or NABL accredited



/FSSAI recognized labs atleast once in six month.

13. Ensure that as much as possible the required temperature shall be maintained throughout the supply chain from the place of procurement or sourcing till it reaches the end consumer including chilling, transportation, storage etc.
14. The Manufacturer/ Importer/ Distributer shall buy and sell food products only from, or to , licensed /registered vendors and maintain record thereof.

Other Condition

1. Proprietors of hotels, restaurants and other food stalls who sell or expose for sale savouries, sweets or other article of food shall put up a notice board containing separates lists of the articles which have been cooked in ghee, edible oil, vanaspati and other fats for the information of the intending purchasers.
2. Food business operator selling cooked or prepared food shall display a notice board containing the nature of articles being exposed for sale.
3. Every manufacture (including ghani operator) or wholesale dealer in butter ,ghee ,vanaspti ,edible oils, solvent extracted oil, de oiled meal, edible flour and any other fats shall minimum a register showing the quantity of manufactured, received or sold, nature of oil seed used and quantity of de oiled meal and edible flour used etc. as applicable and the destination of each consignment of the substances sent out from his factory or place of business, and shall present such register for inspection whenever required to do so by the licensing authority.
4. No producer or manufacturer of vegetable oil ,edible oil and their products shall be edible for license under this act ,unless he has own laboratory facility for analytical testing of samples
5. Every sale and movement of stocks of solvents-extracted oil , 'semi refined' or 'raw grade I' , edible groundnut flour or edible coconut flour ,or both by the producer shall be a sale or movement of stocks directly to a registered user and not to any other person ,and no such sale or movement shall be effected through any third party.
6. Every quantity of solvent-extracted oil ,edible groundnut flour or edible coconut flour ,or both purchased by a registered user shall be used by him in his own factory entirely for the purpose intended and shall not be re-sold or otherwise transferred to any other person :
Provided that nothing in this sub-clause shall apply to the sale or movement of the following:-
 - 1 - Karanjia oil
 - 2 - Kusum oil
 - 3 - Mahua oil
 - 4 - Neem oil
 - 5 - Tamarind seed oil
 - 6 - Edible groundnut flour bearing the I.S.I certification mark
 - 7 - Edible coconut flour bearing the I.S.I certificate mark



7. No food business operator shall sell or distribute or offer for sale or dispatch or deliver to any person for purpose of **sale** any edible oil which is not packed, marked and labeled in the manner specified in the regulations unless specifically exempted from this condition vide notification in the official Gazette issued in the public interest by food safety commissioners in specific circumstances and for a specific period and for reason to be recorded in writing.