



# SHRI GURUDATT SUGARS LTD; Takaliwadi

ADD. : Gat No. 61/A, Akiwat Takaliwadi Road, Takaliwadi. Tal. : Shirol, Dist. : Kolhapur (MH) Pin Code : 416 108  
PHONE. : +91 231 2686086 | WEBSITE : www.sgslt.com | Email : sgslt@sgslt.com

SGSL/ENVI/ 44/2025 -2026

Date – March 12,2025

To,  
The Regional Officer,  
Ministry of Environment, Forest & Climate Change,  
Regional office (WCZ), Ground Floor, East Wing,  
New Secretariat Building, Civil Lines, Nagpur.  
Tel No. 0712 – 2531318  
Email: [moefregionalofficenagpur@gmail.com](mailto:moefregionalofficenagpur@gmail.com)

Sub: Six Monthly (October 2024 to March 2025) Compliance Report of Environmental Clearance issued by MoEF & CC, New Delhi.

Ref: You're Letter No. J - 11011/41/2015-IA-II (I) Date - 07.06.2019.

Dear Sir,

With reference to the abovementioned subject and your reference cited above. Please find enclosed herewith Six monthly (From October 2024 to March 2025) Compliance Report of Environmental Clearance issued by MoEF & CC, New Delhi vide letter no. J - 11011/41/2015-IA-II (I) Date – 07.06.2019.

We do hope that you will find the above information satisfactory. However, if you require additional information /clarification in this regard, kindly write back, so that we shall submit the information at the earliest.

Thanking You

Yours Faithfully,

FOR, SHRI GURUDATT SUGARS LTD.,

CHIEF EXECUTIVE OFFICER

Enclosed – Compliance Report

- C.C to: 1. The Regional officer, MPC Board, Kolhapur.  
2. The Sub - Regional officer, MPC Board, Kolhapur.

<b>SHRI GURUDATT SUGARS LTD.,</b> <b>Gat No. 61/A, Akiwat - Takaliwadi Road , Takaliwadi - 416108, Taluka - Shirol, Dist - Kolhapur,</b> <b>Maharashtra</b>		
<b>Compliance of Conditions Stipulated in environmental clearance granted to expansion of Sugar Plant (From 6000 TCD to 13000 TCD ), Co-generation Power Plant (From 21 MW to 90 MW), Distillery 150 KLPD &amp; Refine Sugar 1755 TCD by MoEF &amp; CC, New Delhi vide letter No. J - 11011/41/2015-IA-II (I) Date - 07/06/2019</b>		
<b>EC No -</b>	<b>J - 11011/41/2015-IA-II (I) Date - 07/06/2019</b>	<b>April 2025</b>
<b>SR. NO.</b>	<b>EC Condition</b>	<b>Compliances</b>
	<b>A) Terms And Condition</b>	
1	Prior approval shall be obtained from PESO for site and layout plan of storage facilities (Petroleum Storage Class A installation).	PA agreed to comply with.
2	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, shall be obtained from the State Pollution Control Board as required.	MPCB was granted for NIPL Consent to Operate for Distillery of having Cap. 225 KLPD and Dryer 192 TPD (150 KLPD to 225 KLPD) Valid up to 31/08/2025.
3	As already committed by the project proponent. Zero Liquid Discharge shall be ensured and no waste / treated water shall be discharged outside the premises.	The effluent of 1200 m <sup>3</sup> /day from distillery will be sent to Biodigester (9500 m <sup>3</sup> x 02 Nos) followed by Dryer Mechanism and balance effluent will sent to MEE + Incineration Boiler of Cap. 22 TPH. The plant will be based on Zero Liquid discharge system.
4	Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 shall be obtained and the provision contained in the Rules shall be strictly adhered to.	PA agreed to comply with.
5	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	Air pollution control system: ESP Stack Diameter: 4.1 m Stack Height: 82 m. - Now, We have installed of Distillery Cap. 150 KLPD with Incineration Boiler of Cap. 22 TPH of Stack Height 82 mtr. X Dia 4.1 mtr
6	Coal less than 0.5% sulphur content shall be used as fuel in boiler.	PA agreed to comply with.

7	Total fresh water requirement shall not exceed 760 cum/day proposed to be met from Krishna River. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.	Ours is the first Sugar factory in Maharashtra, wherein, we run the entire industrial activity with treated and recycled condensates, which is accrued from cane and no fresh water is utilized, for sugar factory operation. We have installed Condensate Polishing Unit (C.P.U) for sugar factory excess condensate water treatment and recycled purpose. <b>Annexure.</b> Sugar 6000 TCD:738 m3/day [ Source - cane Water] Cogeneration 21 MW: 667.25 m3/day [Source - CPU Treated water], And Distillery 150 KLPD : 520 m3/day [Source - Krishna River water]
8	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.	PA agreed to comply with.
9	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TEDF.	PA agreed to comply with.
10	The company shall strictly comply with the rules and guidelines under Manufacture, storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	PA agreed to comply with.
11	The company shall undertake waste minimization measures as below.	
	Metering and control of quantities of active ingredients to minimize waste.	PA agreed to comply with.
	Reuse of by-products from there process as raw materials or as raw material substitutes in other processes.	PA agreed to comply with.
	Use of automated filling to minimize spillage.	PA agreed to comply with.
	Use of Close Feed system into batch reactors.	PA agreed to comply with.
	Venting equipment through vapor recovery system.	PA agreed to comply with.
	Use of high pressure hoses for equipment cleaning to reduce wastewater generation.	PA agreed to comply with.
12	The green belt of 5-10 m width shall be developed in more than 33% of the total project area mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of the plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	We have already planted 9750 Nos of tree as site

13	All the commitments made regarding issues raised during the public Hearing/Consultation meeting shall be satisfactorily implemented.	PA agreed to comply with.
14	At least 0.75% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.	PA agreed to comply with.
15	For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution	PA agreed to comply with.
16	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	PA agreed to comply with.
17	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	PA agreed to comply with.
18	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.	PA agreed to comply with.
19	Storage of raw material shall be done either in silos or covered area to prevent dust pollution and other fugitive emissions.	PA agreed to comply with.
20	Continuous online (24 x 7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be 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.	We have installed online monitoring system for incineration Boiler stack and flow meter with WEBCAM for Con. Spent wash storage lagoon.
21	CO2 generated from the process shall be bottled/made solid ice sold to authorized vendors.	PA agreed to comply with.
22	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.	PA agreed to comply with.



General Conditions		
1	The project authorities must strictly adhere to the stipulation made by the State Pollution Control Board (SPCB), State Government and /or any other statutory authority.	PA agreed to comply with.
2	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	PA agreed to comply with.
3	The location of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations each is installed in the upwind and downwind direction as well as where maximum ground level concentration are anticipated.	Complied. Ambient air quality monitoring is being carried out at three (03) location within the plant. PA submitted that the locations were decided in consultation with MPCB. As per the monitoring data, the ambient air quality levels found to be within prescribed limits.
4	The National Ambient Air Quality Emission Standard issued by the Ministry vide G.S.R. No. 826€ dated 16th November, 2009 shall be complied with.	Complied. Ambient air quality monitoring is being carried out at three (03) location within the plant. PA submitted that the locations were decided in consultation with MPCB. As per the monitoring data, the ambient air quality levels found to be within prescribed limits.
5	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Complied. Acoustic enclosures have been provided. Green belt has been developed around the plant area. As per the monitoring data, the noise levels found to be within stipulated limits. The copy is enclosed as <b>Annexure 4</b> .
6	The company shall harvest rainwater from the roof tops of the buildings to recharge ground water, and to utilize the same for different industrial operations within the plant.	Complied. Roof top harvesting has been provided for the sugar godowns. Two collection pits of capacities 2100 cu.m. and 1600 cu.m. have been provided for the storage of rain water.
7	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis.	Complied. Personnel protective equipment has been provided to workers. The report are enclosed as <b>Annexure</b> .

8	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 EIA/EMP in respect of environmental management, risk mitigation measures and public hearing shall be implemented.	Electrostatics Precipitator (E.S.P) with a stack of height 82 m will provide for Incineration boiler in Distillery of Cap. 150 KLPD on 'C' Molasses. Also we will provide Effluent treatment plant (Condensate Polishing Unit). Treated effluent will use in the makeup of distillery cooling towers as well fermentation purpose. Green belt has been provided. Environmental quality monitoring is being carried out. CSR works are being undertaken. Vermi composting is being carried out with the waste generated in the cane yard. Compost is being supplied to the farmers.
9	The company shall undertake all measures for improving socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villagers, administration and other stake holders. Also eco-developmental measures shall be undertaken for overall improvement for environment.	Complied
10	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 condition stipulated herein. The funds do earmarked for environment management / pollution control measures shall not be diverted for any other purpose.	Complied. As per the details provided, PA earmarked an amount of 26 cores towards capital expenditure and Rs. 6.30 cores towards recurring expenditure for environmental protection measures.
11	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad / Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestion / representations, if any, were received while processing the proposal.	Copy of the environmental clearance submitted to Zilla Parishad, Kolhapur and Gram Panchayat, Takaliwadi on 14.06.2019, The copy is enclosed as <b>Annexure.</b>
12	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including result 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.	Complied. However same has been uploaded to the company website.

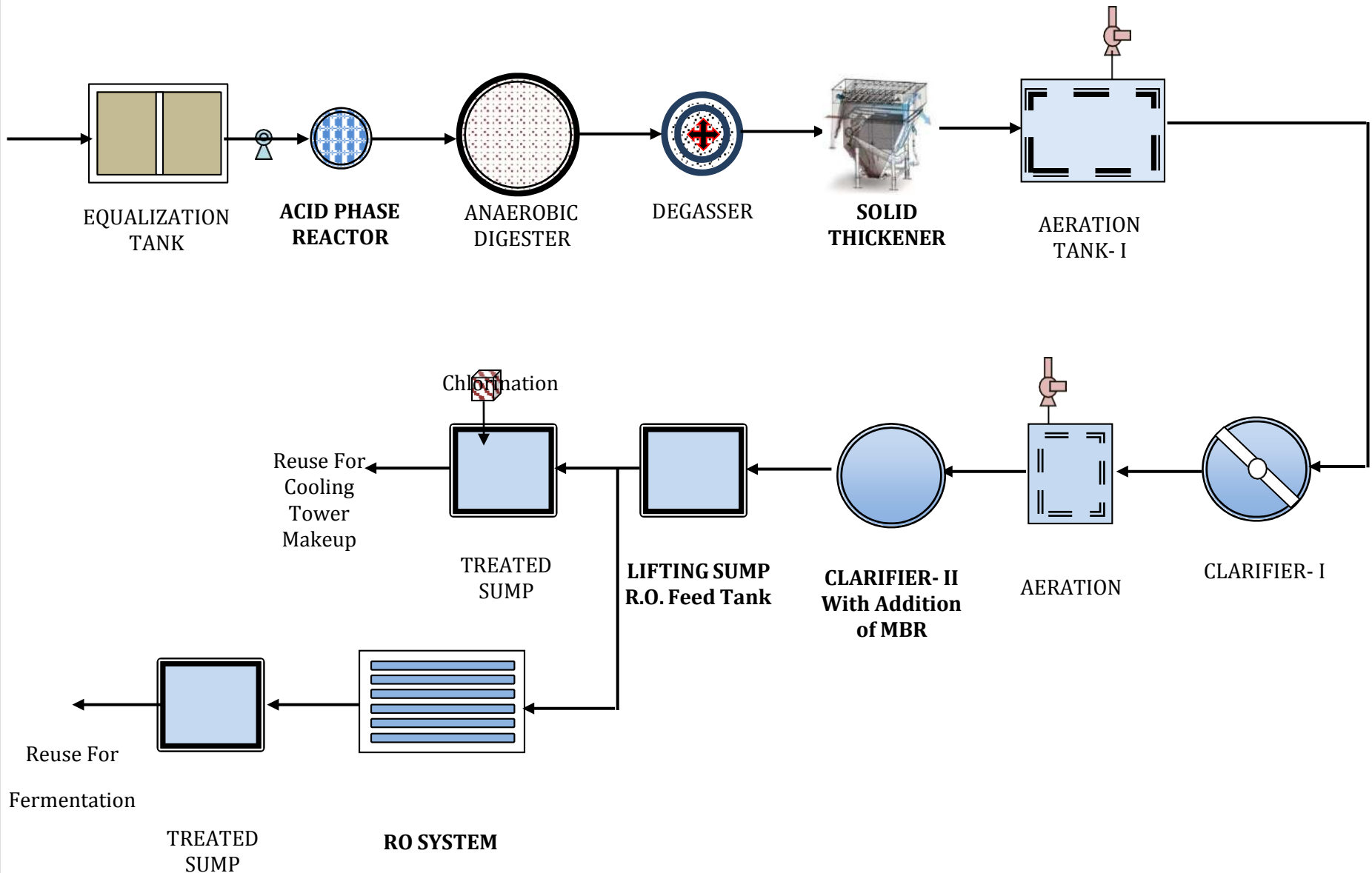
14	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF & CC by e-mail.	Complied. Environment statement for the FY 2024-25 submitted to MPCB vide letter dated 11.04.2025, however the same was uploaded to the company website.
15	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB / Committee and may also be seen at Website of the Ministry at <a href="http://moef.nic.in">http://moef.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter, atleast 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.	Advertisement regarding to grant of EC was made on 15.06.2019. The copy is enclosed as <b>Annexure 7</b> .
16	The Ministry reserve 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.	PA agreed to comply with.
17	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	PA agreed to comply with.

WATER BALANCE –SHRI GURUDATT SUGARS LTD.						
	Water Source	Qty Available (m <sup>3</sup> /day)	UTILIZATION	Qty Required (m <sup>3</sup> /day)	Condensate Qty Used (m <sup>3</sup> /day)	Raw Water Requirement (m <sup>3</sup> /day)
<b>SUGAR, CO-GEN. AND DISTILLERY IN OPERATION</b>						
<b>Number of Days 160</b>	Sugar Condensate	3120	1. Fermenter Makeup	841	841	-
			2. Cooling Tower Makeup (Co-Gen)	720	720	-
			3. Other Uses ( Sugar)	471	471	-
			4. Advanced WTP (Co-Gen)	432	432	-
			5. Distillation Column	240	240	-
			6. Boiler makeup( Distillery)	72	72	-
	Distillery Condensate & Spentleese	1500	1. Cooling Tower make-up (Dist.)	1080	1080	-
			2. Vacuum pump sealing (Dist.)	120	120	-
			3. Fermenter Makeup	300	300	
	Fresh Water		1. Domestic	30	-	30
			<b>Net Raw Water Requirement</b>			<b>30</b>
			<b>FRESH WATER REQUIREMENT PER YEAR - CUM</b>			<b>4800</b>

WATER BALANCE –SHRI GURUDATT SUGARS LTD.						
	Water Source	Qty Available (m <sup>3</sup> /day)	UTILIZATION	Qty Required (m <sup>3</sup> /day)	Condensate Qty Used (m <sup>3</sup> /day)	Raw Water Requirement (m <sup>3</sup> /day)
<b>CO-GEN. AND DISTILLERY IN OPERATION</b>						
<b>Number of Days 72</b>	Fresh Water	2320	1. Fermenter Makeup	841		841
			2. Cooling Tower Makeup (Co-Gen)	720		720
			3. Advanced WTP (Co-Gen)	432		432
			4. Distillation Column	240		240
			5. Boiler makeup( Distillery)	72		72
						-
	Distillery Condensate & Spentleese	1500	1. Cooling Tower make-up (Dist.)	1080	1080	-
			2. Vacuum pump sealing (Dist.)	120	120	-
			3. Fermenter Makeup	300	300	
	Fresh Water		1. Domestic	15	-	15
			<b>Net Fresh Water Requirement</b>			<b>2320</b>
			<b>FRESH WATER REQUIREMENT PER YEAR - CUM</b>			<b>167040</b>

WATER BALANCE –SHRI GURUDATT SUGARS LTD.						
	Water Source	Qty Available (m <sup>3</sup> /day)	UTILIZATION	Qty Required (m <sup>3</sup> /day)	Condensate Qty Used (m <sup>3</sup> /day)	Raw Water Requirement (m <sup>3</sup> /day)
<b>DISTILLERY IN OPERATION</b>						
<b>Number of Days 68</b>	Fresh Water	1163	1. Fermenter Makeup	841		841
			2. Distillation Column	240		240
			3. Boiler makeup( Distillery)	72		72
	Distillery Condensate & Spentleese	1500	1. Cooling Tower make-up (Dist.)	1080	1080	-
			2. Vacuum pump sealing (Dist.)	120	120	-
			3. Fermenter Makeup	300	300	
	Fresh Water		1. Domestic	10	-	10
			<b>Net Fresh Water Requirement</b>			<b>1163</b>
			<b>FRESH WATER REQUIREMENT PER YEAR - CUM</b>			<b>79084</b>
	<b>GRAND TOTAL REQUIREMENT OF FRESH WATER PER YEAR</b>				<b>CUM</b>	<b>250924</b>
	<b>PERMISSION FOR FRESH WATER LIFTING PER YEAR</b>				<b>CUM</b>	<b>254000</b>

# **DISTILLERY C.P.U. APPROACH :-**



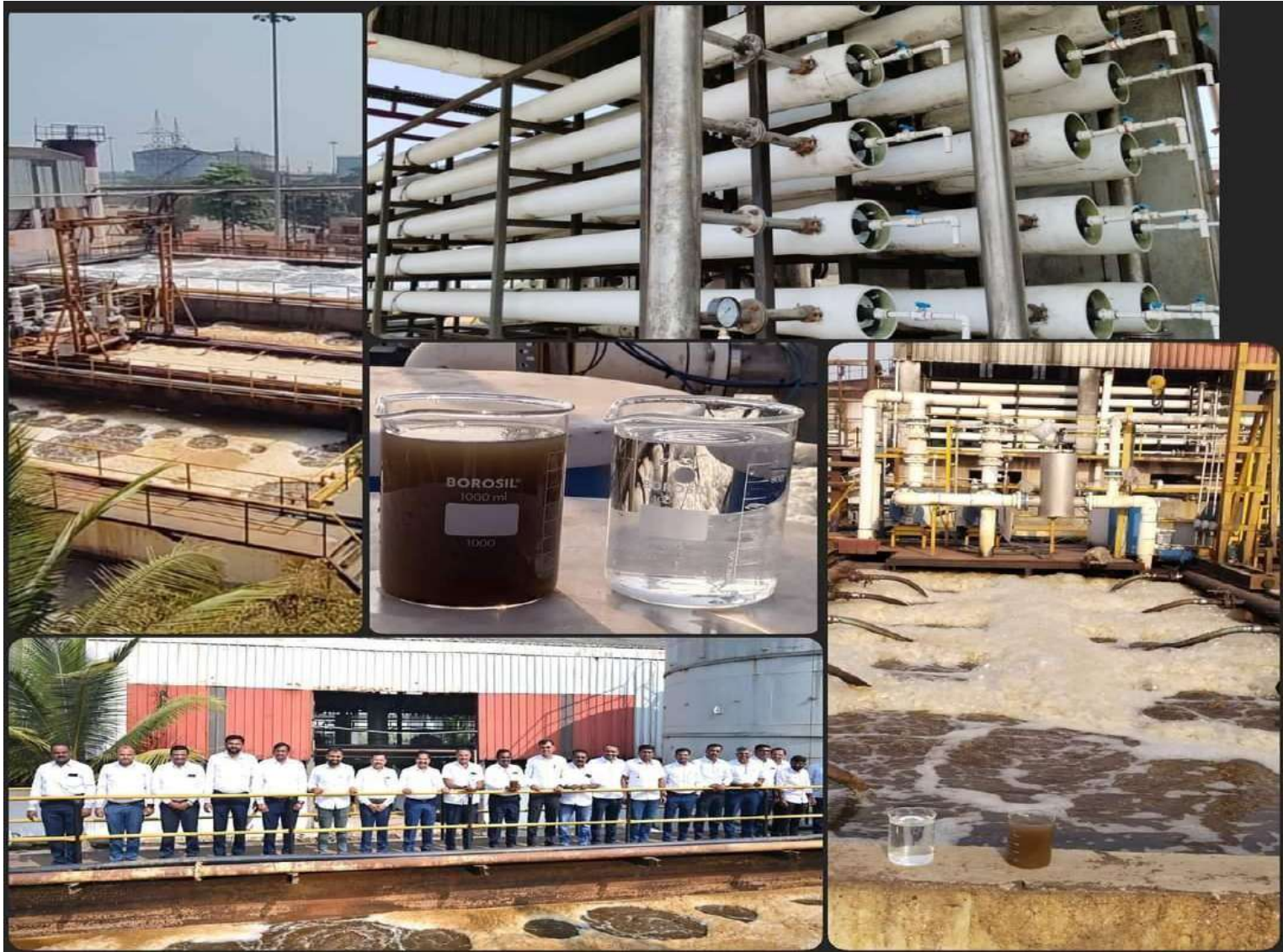


# DISTILLERY C.P.U.



In keeping with the principle of Zero Discharge, a state of art technology is provided based on experienced working in the field for last several years. This is achieving the treated condensate quality suitable for all the process operations.

# DISTILLERY C.P.U.



## **Membrane bio Reactor Technology (MBR) & RO System**

A Membrane Bioreactors (MBR) is a German technology installed in a distillery condensate polishing unit. The process that combines a microfiltration or ultrafiltration membrane unit with a suspended growth bioreactor and has been used for the first time in INDIA of our distillery condensate reuse purpose “**Shri Gurudatt sugars factory**” in India for industrial wastewater treatment. In the MBR process, the membranes act as a solid-liquid separator, keeping the treated wastewater in a biomass bioreactor before being recycled. Basically, they replace the clarifiers used in conventional activated sludge (CAS) processes. Both micro- (MF) and ultrafiltration (UF) techniques are used in MBR applications. Reverse osmosis, commonly referred to as RO, is a process where we demineralize or deionize water under pressure through a semi-permeable reverse osmosis membrane. Also that water is given for pre-use to the distillation project. In keeping with the principle of Zero Discharge.

**Shri Gurudatt sugars Ltd.**, is known by self- water generator industry continuously adopting various foreign technologies to preserve and protect the environment. All India **Shri Gurudatt Sugars Ltd.**, have registered at India level and have been awarded by **Shri Gurudatt Sugars Ltd.**, for “**Best Performance in Environmental Protection**”.





# **Shri Gurudatt Sugars Ltd., Takaliwadi**

## **Distillery - Online Monitoring System**

### **A. WEB Camera**





## B. Incineration Boiler Online monitoring Photographs





#### D. Incineration Boiler Stack Probe





**Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)**

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202 • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

**AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT**

Report No.	: HS/REP/24-25/3126/1
Dated	: 30/12/2024
Inward No.	: GS-1556
Inward Date	: 25/12/2024
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

**RESULTS**

SR. NO.	TEST DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	24/12/2024		
02	TEST LOCATION		Near Factory Main Gate		
03	TIME OF SAMPLING	Hrs	09:00-17:00		
04	TEMPERATURE (Max./Min)	Deg C	31/18		
05	RELATIVE HUMIDITY	% RH	50		
06	SAMPLING DURATION	Hrs	8		
07	PM <sub>10</sub>	µg/m <sup>3</sup>	84.20	≤100	IS 5182(part 23):2006, RA 2022
08	PM <sub>2.5</sub>	µg/m <sup>3</sup>	44.99	≤60	IS 5182(part 24):2019
09	SO <sub>2</sub>	µg/m <sup>3</sup>	10.49	≤80	IS 5182(part 2):2023
10	NO <sub>2</sub>	µg/m <sup>3</sup>	28.58	≤80	IS 5182(part 6):2006 RA 2022

**Calibrations details: -**

Sr. No.	Instrument Name	Serial / Identification No.	Certificate No.	Last Calibrated on	Due Date
1	AFDS-GSES/ADS-01	AFDS/FM-01	SSEC/FF/1250	08/06/2024	07/06/2025
2	RDS-GSES/RDS-01	RDS/UM-01	SSEC/FF/1242	08/06/2024	07/06/2025

**NAAQS – National Ambient Air Quality Standards (2009)**



For HORIZON SERVICES

*Manisha Nargolkar*

**MANISHA NARGOLKAR  
(Lab Incharge)**

\*\*\*\*End of Test Report\*\*\*\*





**Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)**

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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**AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT**

Report No.	: HS/REP/24-25/3126/2
Dated	: 30/12/2024
Inward No.	: GS-1556
Inward Date	: 25/12/2024
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

**RESULTS**

Sr. NO.	TEST DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	24/12/2024		
02	TEST LOCATION		Near Weigh Bridge		
03	TIME OF SAMPLING	Hrs	09:15-17:15		
04	TEMPERATURE (Max./Min)	Deg C	31/18		
05	RELATIVE HUMIDITY	% RH	50		
06	SAMPLING DURATION	Hrs	8		
07	PM <sub>10</sub>	µg/m <sup>3</sup>	88.02	≤100	IS 5182(part 23):2006, RA 2022
08	PM <sub>2.5</sub>	µg/m <sup>3</sup>	48.74	≤60	IS 5182(part 24):2019
09	SO <sub>2</sub>	µg/m <sup>3</sup>	10.74	≤80	IS 5182(part 2):2023
10	NO <sub>2</sub>	µg/m <sup>3</sup>	30.17	≤80	IS 5182(part 6):2006 RA 2022

**Calibrations details: -**

Sr. No.	Instrument Name	Serial / Identification No.	Certificate No.	Last Calibrated on	Due Date
1	AFDS-GSES/ADS-02	AFDS/FM-02	SSEC/FF/1251	08/06/2024	07/06/2025
2	RDS-GSES/RDS-02	RDS/UM-02	SSEC/FF/1243	08/06/2024	07/06/2025

**NAAQS** – National Ambient Air Quality Standards (2009)

**BDL**- Below detectable level



For HORIZON SERVICES

*MANISHA NARGOLKAR*  
**MANISHA NARGOLKAR**  
(Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*



Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

\*Shree H.S. No. 10, Eranbawane Housing Society, Opposite Desai's Manglik Hospital, Pune-411 004.  
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### AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/24-25/3126/3
Dated	: 30/12/2024
Inward No.	: GS-1556
Inward Date	: 25/12/2024
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

SR. NO.	TEST DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	24/12/2024		
02	TEST LOCATION		Near ETP		
03	TIME OF SAMPLING	Hrs	09:30-17:30		
04	TEMPERATURE (Max./Min)	Deg C	31/18		
05	RELATIVE HUMIDITY	% RH	50		
06	SAMPLING DURATION	Hrs	8		
07	PM <sub>10</sub>	µg/m <sup>3</sup>	78.0	≤100	IS 5182(part 23):2006, RA 2022
08	PM <sub>2.5</sub>	µg/m <sup>3</sup>	39.0	≤60	IS 5182(part 24):2019
09	SO <sub>2</sub>	µg/m <sup>3</sup>	10.20	≤80	IS 5182(part 2):2023
10	NO <sub>2</sub>	µg/m <sup>3</sup>	29.80	≤80	IS 5182(part 6):2006 RA 2022

### Calibrations details: -

Sr. No.	Instrument Name	Serial / Identification No.	Certificate No.	Last Calibrated on	Due Date
1	AFDS-GSES/ADS-03	AFDS/FM-03	SSEC/FF/1252	08/06/2024	07/06/2025
2	RDS-GSES/RDS-03	RDS/UM-03	SSEC/FF/1244	08/06/2024	07/06/2025

NAAQS – National Ambient Air Quality Standards (2009)



For HORIZON SERVICES

*Manisha Nargolkar*

MANISHA NARGOLKAR  
(Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*





Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202 • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

**STACK EMISSION MONITORING REPORT**

Report No.	: HS/REP/24-25/3126/4
Dated	: 30/12/2024
Inward No.	: GS-1556
Inward Date	: 25/12/2024
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

**RESULTS**

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	24/12/2024		
02	TEST LOCATION		Boiler 1 & 2 (Capacity-70 MT/Hr & 40 MT/Hr)		
03	TIME OF SAMPLING (00.00)	Hrs	10:30		
04	MATERIAL OF STACK		--		
05	STACK HEIGHT (AGL)	Mtr	65		
06	TYPE OF FUEL USED	--	Bagasse		
07	FUEL CONSUMPTION	MT/Hr	55		
08	TYPE OF STACK		Round		
09	FLUE GAS TEMPERATURE	Deg C	157		
10	VELOCITY	M/Sec	7.81		
11	DIAMETER OF STACK	M	3.43		
12	GAS VOLUME	Nm <sup>3</sup> /Hr	179729.72		
13	PM	mg/Nm <sup>3</sup>	81.86	As per Consent	IS 11255 (Part 1): 1985, RA 2019
14	SO <sub>2</sub>	Kg/Day	94.0	As per Consent	IS 11255 (Part 2): 1985, RA 2019

Calibrations details: -

Sr. No.	Instrument Name	Serial / Identification No.	Certificate No.	Last Calibrated on	Due Date
1	SK-GSES/SK	SMK/RM-01	SSEC/FF/1239	07/06/2024	06/06/2025



For HORIZON SERVICES

*man nargolkar*  
**MANISHA NARGOLKAR**  
(Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*



Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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### STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/24-25/3126/5
Dated	: 30/12/2024
Inward No.	: GS-1556
Inward Date	: 25/12/2024
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	24/12/2024		
02	TEST LOCATION		Incinerator Boiler		
03	TIME OF SAMPLING (00.00)	Hrs	11:00		
04	MATERIAL OF STACK		--		
05	STACK HEIGHT	Mtr	82		
06	TYPE OF FUEL USED	--	Coal & Con. Spent Wash		
07	TYPE OF STACK		Round		
08	FLUE GAS TEMPERATURE	Deg C	198		
09	VELOCITY	M/Sec	8.82		
10	DIAMETER OF STACK	M	4.43		
11	GAS VOLUME	Nm <sup>3</sup> /Hr	309293.18		
12	PM	mg/Nm <sup>3</sup>	60.65	As per Consent	IS 11255 (Part 1): 1985, RA 2019
13	SO <sub>2</sub>	Kg/Day	104.80	As per Consent	IS 11255 (Part 2): 1985, RA 2019

Calibrations details: -

Sr. No.	Instrument Name	Serial / Identification No.	Certificate No.	Last Calibrated on	Due Date
1	SK-GSES/SK	SMK/RM-01	SSEC/FF/1239	07/06/2024	06/06/2025



For HORIZON SERVICES

*manisha nargolkar*  
MANISHA NARGOLKAR  
(Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*





Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/04960A
M/s Shri Gurudatt Sugars Ltd., (Takaliwadi) Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	REPORT DATE	30/12/2024
	LAB REFERENCE NO	HS/LAB/WA/1865A
	DATE OF SAMPLING	24/12/2024
	DATE OF ANALYSIS	25/12/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Industrial Waste Water	M/s. Greensafe Enviro Services	Treated	ETP

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	MPCB LIMITS	TEST METHOD
1	pH	---	6.96	5.5-9.0	APHA 24 <sup>th</sup> Ed 2023, 4500-H <sup>+</sup> B
2	Total Suspended Solids	mg/lit	51.00	< 100.00	APHA 24 <sup>th</sup> Ed 2023, 2540 D
3	Total Dissolved Solids	mg/lit	1956.00	< 2100.00	APHA 24 <sup>th</sup> Ed 2023, 2540 C
4	Chemical Oxygen Demand	mg/lit	90.00	< 250.00	APHA 24 <sup>th</sup> Ed 2023, 5220 C
5	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	25.00	< 100.00	IS-3025 (Part 44) R-2023
6	Chlorides as Cl <sup>-</sup>	mg/lit	130.00	< 600.00	APHA 24 <sup>th</sup> Ed 2023, 4500 Cl <sup>-</sup> B
7	Sulphates as SO <sub>4</sub> --	mg/lit	344.00	< 1000.00	APHA 24 <sup>th</sup> Ed 2023, 4500 SO <sub>4</sub> E
8	Oil & Grease	mg/lit	< 5.00	< 10.00	APHA 24 <sup>th</sup> Ed 2023, 5520 B



For HORIZON SERVICES

*min argona*  
(LAB INCHARGE)





Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/04961A
M/s Shri Gurudatt Sugars Ltd., (Takaliwadi) Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	REPORT DATE	30/12/2024
	LAB REFERENCE NO	HS/LAB/WA/1865A
	DATE OF SAMPLING	24/12/2024
	DATE OF ANALYSIS	25/12/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Well Water Sample	M/s. Greensafe Enviro Services	---	Sachin Koli- Takali

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	LIMITS AS PER IS10500: 2012 (RA 2018)	TEST METHOD
01	pH	---	7.10	6.5 - 8.5	APHA 24 <sup>th</sup> Ed 2023, 4500-H+B
02	Electric Conductivity	µS/cm	420.00	Not Specified	APHA 24 <sup>th</sup> Ed 2023, 2510 B
03	Colour	Pt/Co	< 5.00	<5.00	APHA 24 <sup>th</sup> Ed 2023, 2120 C
04	Odour	---	Agreeable	Agreeable	IS 3025 (P-5):1983 RA 2022
05	Turbidity	NTU	0.40	<1.00	APHA 24 <sup>th</sup> Ed 2023, 2130 B
06	Total Dissolved Solids	mg/lit	260.00	<500.00	APHA 24 <sup>th</sup> Ed 2023, 2540 C
07	Chemical Oxygen Demand	mg/lit	6.00	Not Specified	APHA 24 <sup>th</sup> Ed 2023, 5220 C
08	BOD (27°C for 3 days)	mg/lit	2.00	Not Specified	IS 3025 (Part 44)- R-2023
09	Chlorides as Cl <sup>-</sup>	mg/lit	30.00	<250.00	APHA 24 <sup>th</sup> Ed 2023, 4500 Cl-B
10	Sulphates as SO <sub>4</sub> --	mg/lit	64.00	<200.00	APHA 24 <sup>th</sup> Ed 2023, 4500 SO <sub>4</sub> E
11	Alkalinity as CaCO <sub>3</sub>	mg/lit	44.00	<200.00	APHA 24 <sup>th</sup> Ed 2023, 2320 B
12	Calcium as Ca	mg/lit	16.80	<75.00	APHA 24 <sup>th</sup> Ed 2023, 3500 Ca B
13	Magnesium as Mg	mg/lit	20.00	<30.00	APHA 24 <sup>th</sup> Ed 2023, 3500 Mg B
14	Total Hardness as CaCO <sub>3</sub>	mg/lit	124.00	<200.00	APHA 24 <sup>th</sup> Ed 2023, 2340 C
15	Iron as Fe	mg/lit	0.20	<0.30	APHA 24 <sup>th</sup> Ed 2023, 3500 Fe B
16	Fluoride as F <sup>-</sup>	mg/lit	0.10	<1.00	APHA 24 <sup>th</sup> Ed 2023, 4500-F D
17	Sodium as Na	mg/lit	6.00	Not Specified	APHA 24 <sup>th</sup> Ed 2023, 3500 Na B

**REMARK:** As per IS 10500: 2012(RA 2018), above water sample is chemically potable for drinking purpose, for the parameters tested.



For HORIZON SERVICES

*manoj kumar*  
(LAB INCHARGE)



Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

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**AMBIENT NOISE LEVEL MONITORING REPORT**

Report No.	: HS/REP/24-25/3126/6
Dated	: 30/12/2024
Inward No.	: GS-1556
Inward Date	: 25/12/2024
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES
Date of Sampling	: 24/12/2024

**RESULTS**

SR. NO.	TEST LOCATION	UNIT	DAY TIME		NIGHT TIME	
			Time	Readings	Time	Readings
01	Near Main Gate	dB (A)	11:05 hrs.	71.5	22:10 hrs.	66.6
02	Near Boiler	dB (A)	11:10 hrs.	69.9	22:15 hrs.	67.2
03	Near ETP Area	dB (A)	11:15 hrs.	68.2	22:20 hrs.	63.8
04	Near Sugar Godown	dB (A)	11:20 hrs.	72.2	22:25 hrs.	68.5
05	Near Laboratory	dB (A)	11: 25 hrs.	73.0	22:30 hrs.	67.2
06	Near Mill House	dB (A)	11:30 hrs.	72.7	23:35 hrs.	68.4
07	Near Pan Section	dB (A)	11:35 hrs.	73.1	23:40 hrs.	69.1
08	Near Sugar Plant	dB (A)	11:40 hrs.	72.9	23:45 hrs.	68.5
09	Near Weigh Bridge	dB (A)	11:45 hrs.	71.1	23:50 hrs.	66.8
10	Near Centrifugal	dB (A)	11:50 hrs.	72.6	23:55 hrs.	68.9

Calibrations details: -

Sr. No	Instrument Name	Serial / Identification No.	Certificate No.	Last Calibrated on	Due date
1	SLM-GSES/DB-01 Make- Mextech, MODEL NO.-4201	GE/DB-01	SSEC/ME/205	07/06/2024	06/06/2025

**Limits:**

≤75 dB (A) For Day Time

≤70 dB (A) For Night Time

**REMARK/OBSERVATIONS:**

Noise levels limits are given as per Noise Pollution (Regulation & Control) Rules 2000.



For HORIZON SERVICES

*Manisha Nargolkar*

MANISHA NARGOLKAR  
(Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*





Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.  
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### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/04962A
M/s Shri Gurudatt Sugars Ltd., (Takaliwadi) Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	REPORT DATE	30/12/2024
	LAB REFERENCE NO	HS/LAB/WA/1865A
	DATE OF SAMPLING	24/12/2024
	DATE OF ANALYSIS	25/12/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Soil Sample	M/s. Greensafe Enviro Services	---	Ramchandra Bedkihale

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	TEST METHOD
1	pH (10 % Extract)	---	7.14	IS 2720 (Part 26) 1987 RA 2016
2	Chlorides as Cl <sup>-</sup>	mg/kg	178.00	SOP NO: HS/ NABL/ SOIL/27
3	Sulphates as SO <sub>4</sub> --	mg/kg	11.25	IS 2720 (Part 27)- 2020
4	Total Chromium as Cr	mg/kg	4.00	SOP NO: HS/ NABL/ SOIL/20
5	Total Nitrogen as N	mg/kg	124.00	IS 14684:2019
6	Phosphorus as P	mg/kg	27.65	SOP NO: HS/ NABL/ SOIL/08
7	Nickel as Ni	mg/kg	24.00	SOP NO: HS/ NABL/ SOIL/20
8	Cadmium as Cd	mg/kg	0.60	SOP NO: HS/ NABL/ SOIL/20
9	Copper as Cu	mg/kg	34.00	SOP NO: HS/ NABL/ SOIL/26
10	Zinc as Zn	mg/kg	30.00	SOP NO: HS/ NABL/ SOIL/20
11	Total Ammonia as N	mg/kg	26.50	Ministry of Agriculture 2011



For HORIZON SERVICES

*Mr. Angad*

(LAB INCHARGE)



Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

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**STACK EMISSION MONITORING REPORT**

Report No.	: HS/REP/24-25/3126/4
Dated	: 30/12/2024
Inward No.	: GS-1556
Inward Date	: 25/12/2024
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

**RESULTS**

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	24/12/2024		
02	TEST LOCATION		Boiler 1 & 2 (Capacity-70 MT/Hr & 40 MT/Hr)		
03	TIME OF SAMPLING (00.00)	Hrs	10:30		
04	MATERIAL OF STACK		--		
05	STACK HEIGHT (AGL)	Mtr	65		
06	TYPE OF FUEL USED	--	Bagasse		
07	FUEL CONSUMPTION	MT/Hr	55		
08	TYPE OF STACK		Round		
09	FLUE GAS TEMPERATURE	Deg C	157		
10	VELOCITY	M/Sec	7.81		
11	DIAMETER OF STACK	M	3.43		
12	GAS VOLUME	Nm <sup>3</sup> /Hr	179729.72		
13	PM	mg/Nm <sup>3</sup>	81.86	As per Consent	IS 11255 (Part 1): 1985, RA 2019
14	SO <sub>2</sub>	Kg/Day	94.0	As per Consent	IS 11255 (Part 2): 1985, RA 2019

Calibrations details: -

Sr. No.	Instrument Name	Serial / Identification No.	Certificate No.	Last Calibrated on	Due Date
1	SK-GSES/SK	SMK/RM-01	SSEC/FF/1239	07/06/2024	06/06/2025



For HORIZON SERVICES

*man nargolkar*  
**MANISHA NARGOLKAR**  
(Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*





Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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**AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT**

Report No.	: HS/REP/24-25/3126/1
Dated	: 30/12/2024
Inward No.	: GS-1556
Inward Date	: 25/12/2024
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

**RESULTS**

SR. NO.	TEST DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	24/12/2024		
02	TEST LOCATION		Near Factory Main Gate		
03	TIME OF SAMPLING	Hrs	09:00-17:00		
04	TEMPERATURE (Max./Min)	Deg C	31/18		
05	RELATIVE HUMIDITY	% RH	50		
06	SAMPLING DURATION	Hrs	8		
07	PM <sub>10</sub>	µg/m <sup>3</sup>	84.20	≤100	IS 5182(part 23):2006, RA 2022
08	PM <sub>2.5</sub>	µg/m <sup>3</sup>	44.99	≤60	IS 5182(part 24):2019
09	SO <sub>2</sub>	µg/m <sup>3</sup>	10.49	≤80	IS 5182(part 2):2023
10	NO <sub>2</sub>	µg/m <sup>3</sup>	28.58	≤80	IS 5182(part 6):2006 RA 2022

Calibrations details: -

Sr. No.	Instrument Name	Serial / Identification No.	Certificate No.	Last Calibrated on	Due Date
1	AFDS-GSES/ADS-01	AFDS/FM-01	SSEC/FF/1250	08/06/2024	07/06/2025
2	RDS-GSES/RDS-01	RDS/UM-01	SSEC/FF/1242	08/06/2024	07/06/2025

NAAQS – National Ambient Air Quality Standards (2009)



For HORIZON SERVICES

*Manisha Nargolkar*

MANISHA NARGOLKAR  
(Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*



Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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**AMBIENT NOISE LEVEL MONITORING REPORT**

Report No.	: HS/REP/24-25/3126/6
Dated	: 30/12/2024
Inward No.	: GS-1556
Inward Date	: 25/12/2024
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES
Date of Sampling	: 24/12/2024

**RESULTS**

SR. NO.	TEST LOCATION	UNIT	DAY TIME		NIGHT TIME	
			Time	Readings	Time	Readings
01	Near Main Gate	dB (A)	11:05 hrs.	71.5	22:10 hrs.	66.6
02	Near Boiler	dB (A)	11:10 hrs.	69.9	22:15 hrs.	67.2
03	Near ETP Area	dB (A)	11:15 hrs.	68.2	22:20 hrs.	63.8
04	Near Sugar Godown	dB (A)	11:20 hrs.	72.2	22:25 hrs.	68.5
05	Near Laboratory	dB (A)	11: 25 hrs.	73.0	22:30 hrs.	67.2
06	Near Mill House	dB (A)	11:30 hrs.	72.7	23:35 hrs.	68.4
07	Near Pan Section	dB (A)	11:35 hrs.	73.1	23:40 hrs.	69.1
08	Near Sugar Plant	dB (A)	11:40 hrs.	72.9	23:45 hrs.	68.5
09	Near Weigh Bridge	dB (A)	11:45 hrs.	71.1	23:50 hrs.	66.8
10	Near Centrifugal	dB (A)	11:50 hrs.	72.6	23:55 hrs.	68.9

Calibrations details: -

Sr. No	Instrument Name	Serial / Identification No.	Certificate No.	Last Calibrated on	Due date
1	SLM-GSES/DB-01 Make- Mextech, MODEL NO.-4201	GE/DB-01	SSEC/ME/205	07/06/2024	06/06/2025

**Limits:**

≤75 dB (A) For Day Time

≤70 dB (A) For Night Time

**REMARK/OBSERVATIONS:**

Noise levels limits are given as per Noise Pollution (Regulation & Control) Rules 2000.



For HORIZON SERVICES

*Manisha Nargolkar*

MANISHA NARGOLKAR  
(Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*





Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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### AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/23-24/15943
Dated	: 24/01/2024
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

SR. NO.	TEST DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	18/01/2024		
02	TEST LOCATION		Near Factory Main Gate		
03	TIME OF SAMPLING	Hrs	09:00-17:00		
04	TEMPERATURE (Max./Min)	Deg C	28/24		
05	RELATIVE HUMIDITY	% RH	63		
06	SAMPLING DURATION	Hrs	8		
07	PM10	µg/m <sup>3</sup>	74.00	≤100	IS 5182(part 23),2006
08	PM <sub>2.5</sub>	µg/m <sup>3</sup>	34.00	≤60	CPCB Guidelines Volume – I Pg. No.15
09	SO <sub>2</sub>	µg/m <sup>3</sup>	7.20	≤80	IS 5182(part 2),2001, RA 2006
10	NO <sub>2</sub>	µg/m <sup>3</sup>	26.80	≤80	IS 5182(part 6),2006

#### Calibrations details: -

Sr. No.	Instrument Name	Serial / Identification No.	Certificate No.	Last Calibrated on	Due Date
1	AFDS-GSES/ADS-01	RDS/FM-01	TECH/CAL/2023/04.C/14	20/04/2023	19/04/2024
2	HVS-GSES/HVS-01	RDS/UM-01	TECH/CAL/2023/04.C/1/2	20/04/2023	19/04/2024

NAAQS – National Ambient Air Quality Standards (2009)

*M. N. Agarwal*  
For HORIZON SERVICES



#### DISCLAIMER:

- Sample will be retained only for 15 days.
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Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)  
Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.  
• Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202 • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

### AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/23-24/15944
Dated	: 24/01/2024
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

SR. NO.	TEST DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	18/01/2024		
02	TEST LOCATION		Near Weigh Bridge		
03	TIME OF SAMPLING	Hrs	09:15-17:15		
04	TEMPERATURE (Max./Min)	Deg C	28/24		
05	RELATIVE HUMIDITY	% RH	63		
06	SAMPLING DURATION	Hrs	8		
07	PM <sub>10</sub>	µg/m <sup>3</sup>	86.00	≤100	IS 5182(part 23),2006
08	PM <sub>2.5</sub>	µg/m <sup>3</sup>	57.00	≤60	CPCB Guidelines Volume – I Pg. No.15
09	SO <sub>2</sub>	µg/m <sup>3</sup>	8.10	≤80	IS 5182(part 2),2001, RA 2006
10	NO <sub>2</sub>	µg/m <sup>3</sup>	30.40	≤80	IS 5182(part 6),2006

#### Calibrations details: -

Sr. No.	Instrument Name	Serial / Identification No.	Certificate No.	Last Calibrated on	Due Date
1	AFDS-GSES/ADS-02	RDS/FM-02	TECH/CAL/2023/04.C/15	20/04/2023	19/04/2024
2	HVS-GSES/HVS-02	RDS/UM-02	TECH/CAL/2023/04.C/3/4	20/04/2023	19/04/2024

NAAQS – National Ambient Air Quality Standards (2009)

BDL- Below detectable level

*mn alogora*  
For HORIZON SERVICES



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## AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/23-24/15945
Dated	: 24/01/2024
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

Sr. NO.	TEST DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	18/01/2024		
02	TEST LOCATION		Near ETP		
03	TIME OF SAMPLING	Hrs	09:30-17:30		
04	TEMPERATURE (Max./Min)	Deg C	28/24		
05	RELATIVE HUMIDITY	% RH	63		
06	SAMPLING DURATION	Hrs	8		
07	PM <sub>10</sub>	µg/m <sup>3</sup>	64.00	≤100	IS 5182(part 23),2006
08	PM <sub>2.5</sub>	µg/m <sup>3</sup>	31.00	≤60	CPCB Guidelines Volume – I Pg. No.15
09	SO <sub>2</sub>	µg/m <sup>3</sup>	6.60	≤80	IS 5182(part 2),2001, RA 2006
10	NO <sub>2</sub>	µg/m <sup>3</sup>	26.20	≤80	IS 5182(part 6),2006

### Calibrations details: -

Sr. No.	Instrument Name	Serial / Identification No.	Certificate No.	Last Calibrated on	Due Date
1	AFDS-GSES/ADS-03	RDS/FM-03	TECH/CAL/2023/04.C/16	20/04/2023	19/04/2024
2	HVS-GSES/HVS-03	RDS/UM-03	TECH/CAL/2023/04.C/5/6	20/04/2023	19/04/2024

NAAQS – National Ambient Air Quality Standards (2009)

BDL- Below detectable level

*Manoj Kumar*

For HORIZON SERVICES



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### STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/23-24/15946
Dated	: 24/01/2024
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

Sr. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	18/01/2024		
02	TEST LOCATION		Boiler 1 & 2 (Capacity-70 MT/Hr & 40 MT/Hr)		
03	TIME OF SAMPLING (00.00)	Hrs	10:00		
04	MATERIAL OF STACK		--		
05	STACK HEIGHT (AGL)	Mtr	65		
06	TYPE OF FUEL USED	--	Baggase		
07	FUEL CONSUMPTION	MT/Hr	55		
08	TYPE OF STACK		Round		
09	FLUE GAS TEMPERATURE	Deg C	151		
10	VELOCITY	M/Sec	7.70		
11	DIAMETER OF STACK	M	3.43		
12	GAS VOLUME	Nm <sup>3</sup> /Hr	180512.33		
13	PM	mg/Nm <sup>3</sup>	75.01	As per Consent	IS 11255 (Part 1)
14	SO <sub>2</sub>	Kg/Day	98.00	As per Consent	IS 11255 (Part 2)

#### Calibrations details: -

Sr. No.	Instrument Name	Serial / Identification No.	Certificate No.	Last Calibrated on	Due Date
1	GSES/SMK-01	SMK/IT-01	TECH/CAL/2023/04.C/7/8/9/10	20/04/2023	19/04/2024

*M. N. A. G. S. K.*  
For HORIZON SERVICES



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### STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/23-24/15947
Dated	: 24/01/2024
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	18/01/2024		
02	TEST LOCATION		Incinerator Boiler		
03	TIME OF SAMPLING (00.00)	Hrs	10:30		
04	MATERIAL OF STACK		--		
05	STACK HEIGHT	Mtr	82		
06	TYPE OF FUEL USED	--	Coal & Con. Spent Wash		
07	TYPE OF STACK		Round		
08	FLUE GAS TEMPERATURE	Deg C	191		
09	VELOCITY	M/Sec	8.78		
10	DIAMETER OF STACK	M	4.43		
11	GAS VOLUME	Nm <sup>3</sup> /Hr	312331.38		
12	PM	mg/Nm <sup>3</sup>	66.90	150	IS 11255 (Part 1)
13	SO <sub>2</sub>	Kg/Day	112.10	500	IS 11255 (Part 2)

Calibrations details: -

Sr. No.	Instrument Name	Serial / Identification No.	Certificate No.	Last Calibrated on	Due Date
1	GSES/SMK-01	SMK/IT-01	TECH/CAL/2023/04.C/7/8/9/10	20/04/2023	19/04/2024

For HORIZON SERVICES



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### AMBIENT NOISE LEVEL MONITORING REPORT

Report No.	: HS/REP/23-24/15948
Dated	: 24/01/2024
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES
Date of Sampling	: 18/01/2024

### RESULTS

SR. NO.	TEST LOCATION	UNIT	DAY TIME		NIGHT TIME	
			Time	Readings	Time	Readings
01	Near Main Gate	dB (A)	11:00 hrs.	71.0	22:10 hrs.	66.2
02	Near Boiler	dB (A)	11:05 hrs.	69.4	22:15 hrs.	66.7
03	Near ETP Area	dB (A)	11:10 hrs.	67.9	22:20 hrs.	63.4
04	Near Sugar Godown	dB (A)	11:15 hrs.	72.0	22:25 hrs.	68.7
05	Near Laboratory	dB (A)	11:20 hrs.	73.3	22:30 hrs.	67.5
06	Near Mill House	dB (A)	11: 25 hrs.	72.9	23:35 hrs.	68.5
07	Near Pan Section	dB (A)	11:30 hrs.	73.0	23:40 hrs.	68.7
08	Near Sugar Plant	dB (A)	11:35 hrs.	72.7	23:45 hrs.	68.0
09	Near Weigh Bridge	dB (A)	11:40 hrs.	70.7	23:50 hrs.	66.4
10	Near Centrifugal	dB (A)	11:45 hrs.	72.0	23:55 hrs.	68.8

#### Calibrations details: -

Sr. No	Instrument Name	Serial / Identification No.	Certificate No.	Last Calibrated on	Due date
1	GSES/DB-01 Make- Mextech, MODEL NO.-4201	GE/DB-01	TECH/CAL/2023/04.C/11	20/04/2023	19/04/2024

#### Limits:

≤75 dB (A) For Day Time  
≤70 dB (A) For Night Time

#### REMARK/OBSERVATIONS:

Noise levels limits are given as per Noise Pollution (Regulation & Control) Rules 2010.

*M. V. Angolkar*  
For HORIZON SERVICES



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### WORKZONE NOISE LEVEL MONITORING REPORT

Report No.	: HS/REP/23-24/15949
Dated	: 24/01/2024
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES
Date of Sampling	: 18/01/2024

### RESULTS

SR. NO.	TEST LOCATION	UNIT	DAY TIME	
			Time	Readings
01	Boiler House	dB (A)	13:00 hrs.	85.1
02	Laboratory	dB (A)	13:10 hrs.	74.2
03	Mill House	dB (A)	13:15 hrs.	88.5
04	Pan Section	dB (A)	13:20 hrs.	87.4
05	Sugar Godown	dB (A)	13:25 hrs.	79.9
06	WTP	dB (A)	13:30 hrs	77.3
07	ETP	dB (A)	13:35 hrs	78.6
08	Weigh Bridge	dB (A)	13:40 hrs	88.9
09	Centrifugal	dB (A)	13:45 hrs	83.6

Calibrations details: -

Sr. No	Instrument Name	Serial / Identification No.	Certificate No.	Last Calibrated on	Due date
1	GSES/DB-01 Make- Mextech, MODEL NO.-4201	GE/DB-01	TECH/CAL/2023/04.C/11	20/04/2023	19/04/2024

**Limits:**

In plant 90 dB (A)

**REMARKS/OBSERVATIONS:**

Limits are given as per Maharashtra Factories Rules 1963 Schedule XXIV for 8 Hrs.

*M. N. G. G. G.*  
For HORIZON SERVICES



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### ILLUMINATION MONITORING REPORT

Report No.	: HS/REP/23-24/15950
Dated	: 24/01/2024
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES
Date of Sampling	: 18/01/2024

### RESULTS

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULT	MINIMUM LUX LEVEL REQUIRED
	TEST LOCATIONS			
01	Boiler House	Lux	940	300
02	Laboratory	Lux	789	450
03	Mill House	Lux	948	200
04	Pan Section	Lux	898	500
05	Sugar Godown	Lux	787	500
06	Office	Lux	980	300
07	Near Main Gate	Lux	790	200
08	Store	Lux	462	100
09	WTP	Lux	810	500
10	Laboratory (WTP)	Lux	764	450

Calibrations details: -

Sr. No	Instrument Name	Serial / Identification No.	Certificate No.	Last Calibrated on	Due date
1	LUX METER, GSES-LX-01 MAKE-Mextexh	LX-01	TECH/CAL/2023/04. C/12	20/04/2023	19/04/2024

*M. N. Gaikar*  
For HORIZON SERVICES



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### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

<b>CLIENT'S NAME &amp; ADDRESS</b>	<b>REPORT NO</b>	HS/LAB/WA/15978A-1
<b>M/s Shri Gurudatt Sugars Ltd., (Takaliwadi)</b> Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	<b>REPORT DATE</b>	24/01/2024
	<b>LAB REFERENCE NO.</b>	HS/LAB/WA/1418A
	<b>SAMPLING DATE</b>	18/01/2024
	<b>SAMPLE RECEIPT DATE</b>	19/01/2024

<b>DETAILS OF SAMPLE</b>	<b>SAMPLE COLLECTED BY</b>	<b>NATURE</b>	<b>LOCATION</b>
Industrial Waste Water	M/s. Greensafe Enviro Services	Untreated	ETP

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	TEST METHOD
1	pH	---	4.40	APHA 24 <sup>th</sup> Ed 2023, 4500-H <sup>+</sup> B
2	Total Suspended Solids	mg/lit	360.00	APHA 24 <sup>th</sup> Ed 2023, 2540 D
3	Total Dissolved Solids	mg/lit	2478.00	APHA 24 <sup>th</sup> Ed 2023, 2540 C
4	Chemical Oxygen Demand	mg/lit	3860.00	APHA 24 <sup>th</sup> Ed 2023, 5220 C
5	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	1840.00	IS-3025 (Part 44) R-2023
6	Chlorides as Cl <sup>-</sup>	mg/lit	490.00	APHA 24 <sup>th</sup> Ed 2023, 4500 Cl <sup>-</sup> B
7	Sulphates as SO <sub>4</sub> --	mg/lit	762.00	APHA 24 <sup>th</sup> Ed 2023, 4500 SO <sub>4</sub> E
8	Oil & Grease	mg/lit	24.00	APHA 24 <sup>th</sup> Ed 2023, 5520 B



For HORIZON SERVICES

*Muniraj Dhar*  
(LAB INCHARGE)

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### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/15978A-2
M/s Shri Gurudatt Sugars Ltd., (Takaliwadi) Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	REPORT DATE	24/01/2024
	LAB REFERENCE NO.	HS/LAB/WA/1418A
	SAMPLING DATE	18/01/2024
	SAMPLE RECEIPT DATE	19/01/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Industrial Waste Water	M/s. Greensafe Enviro Services	Treated	ETP

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	MPCB LIMITS	TEST METHOD
1	pH	---	7.10	5.5-9.0	APHA 24 <sup>th</sup> Ed 2023, 4500-H <sup>+</sup> B
2	Total Suspended Solids	mg/lit	68.00	< 100.00	APHA 24 <sup>th</sup> Ed 2023, 2540 D
3	Total Dissolved Solids	mg/lit	1604.00	< 2100.00	APHA 24 <sup>th</sup> Ed 2023, 2540 C
4	Chemical Oxygen Demand	mg/lit	164.00	< 250.00	APHA 24 <sup>th</sup> Ed 2023, 5220 C
5	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	54.00	< 100.00	IS-3025 (Part 44) R-2023
6	Chlorides as Cl <sup>-</sup>	mg/lit	304.00	< 600.00	APHA 24 <sup>th</sup> Ed 2023, 4500 Cl <sup>-</sup> B
7	Sulphates as SO <sub>4</sub> --	mg/lit	570.00	< 1000.00	APHA 24 <sup>th</sup> Ed 2023, 4500 SO <sub>4</sub> E
8	Oil & Grease	mg/lit	< 5.00	< 10.00	APHA 24 <sup>th</sup> Ed 2023, 5520 B



For HORIZON SERVICES

*M. N. A. G. D. S.*  
(LAB INCHARGE)

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### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

<b>CLIENT'S NAME &amp; ADDRESS</b>	<b>REPORT NO</b>	HS/LAB/WA/15978A-3
<b>M/s.Shri Gurudatt Sugars Ltd., (Takaliwadi)</b> Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	<b>REPORT DATE</b>	24/01/2024
	<b>LAB REFERENCE NO</b>	HS/LAB/WA/1418A
	<b>DATE OF SAMPLING</b>	18/01/2024
	<b>DATE OF ANALYSIS</b>	19/01/2024

<b>DETAILS OF SAMPLE</b>	<b>SAMPLE COLLECTED BY</b>	<b>NATURE</b>	<b>LOCATION</b>
Well Water Sample	M/s. Greensafe Enviro Services	---	Shri Gurupad Borgave

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	LIMITS AS PER IS10500: 2018	TEST METHOD
01	pH	---	7.20	6.5 - 8.5	APHA 24 <sup>th</sup> Ed 2023, 4500-H <sup>+</sup> B
02	Electric Conductivity	µs/cm	130.00	Not Specified	APHA 24 <sup>th</sup> Ed 2023, 2510 B
03	Colour	Hazen	< 5.00	<5.00	APHA 24 <sup>th</sup> Ed 2023, 2120 C
04	Odour	---	Agreeable	Agreeable	APHA 24 <sup>th</sup> Ed 2023, 2150 B
05	Turbidity	NTU	<1.00	<1.00	APHA 24 <sup>th</sup> Ed 2023, 2130 B
06	Total Dissolved Solids	mg/lit	114.00	<500.00	APHA 24 <sup>th</sup> Ed 2023, 2540 C
07	Chemical Oxygen Demand	mg/lit	4.00	Not Specified	APHA 24 <sup>th</sup> Ed 2023, 5220 C
08	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	1.00	Not Specified	IS 3025 (Part 44)- R-2023
09	Chlorides as Cl <sup>-</sup>	mg/lit	24.00	<250.00	APHA 24 <sup>th</sup> Ed 2023, 4500 Cl-B
10	Sulphates as SO <sub>4</sub> <sup>--</sup>	mg/lit	46.00	<200.00	APHA 24 <sup>th</sup> Ed 2023, 4500 SO <sub>4</sub> E
11	Alkalinity as CaCO <sub>3</sub>	mg/lit	35.00	<200.00	APHA 24 <sup>th</sup> Ed 2023, 2320 B
12	Calcium as Ca	mg/lit	12.00	<75.00	APHA 24 <sup>th</sup> Ed 2023, 3500 Ca B
13	Magnesium as Mg	mg/lit	8.00	<30.00	APHA 24 <sup>th</sup> Ed 2023, 3500 Mg B
14	Total Hardness as CaCO <sub>3</sub>	mg/lit	118.00	<200.00	APHA 24 <sup>th</sup> Ed 2023, 2340 C
15	Iron as Fe	mg/lit	0.20	<0.30	APHA 24 <sup>th</sup> Ed 2023, 3500 Fe B
16	Fluoride as F <sup>-</sup>	mg/lit	<0.10	<1.00	APHA 24 <sup>th</sup> Ed 2023, 4500-F <sup>-</sup> D
17	Sodium as Na	mg/lit	2.00	Not Specified	APHA 24 <sup>th</sup> Ed 2023, 3500 Na B

**REMARK:** As per IS 10500: 2018, above water sample is chemically potable for drinking purpose, for the parameters tested.



For HORIZON SERVICES

*M. N. G. S. K.*  
(LAB INCHARGE)

#### DISCLAIMER:

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Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202 • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/15978A-4
M/s Shri Gurudatt Sugars Ltd., (Takaliwadi) Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	REPORT DATE	24/01/2024
	LAB REFERENCE NO	HS/LAB/WA/1418A
	DATE OF SAMPLING	18/01/2024
	DATE OF ANALYSIS	19/01/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Soil Sample	M/s. Greensafe Enviro Services	---	Shri Raosaheb Badame

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	TEST METHOD
1	pH (10 % Extract)	---	7.20	IS 2720 (Part 26) 1987
2	Chlorides as Cl <sup>-</sup>	mg/kg	168.00	SOP No: WI/Lab/Soil/CA/13
3	Sulphates as SO <sub>4</sub> <sup>--</sup>	mg/kg	ABSENT	IS 2720 (Part 27)- 1977 (RA 2010)
4	Total Chromium as Cr	mg/kg	16.00	Ministry of Agriculture 2011
5	Total Nitrogen as N	mg/kg	129.00	IS 14684:1999
6	Phosphorus as P	mg/kg	ABSENT	HS/NABL/SOIL/8
7	Nickel as Ni	mg/kg	26.00	Ministry of Agriculture 2011
8	Cadmium as Cd	mg/kg	0.40	Ministry of Agriculture 2011
9	Copper as Cu	mg/kg	34.00	Ministry of Agriculture 2011
10	Zinc as Zn	mg/kg	26.00	HS/NABL/SOIL/11
11	Total Ammonia as N	mg/kg	ABSENT	Ministry of Agriculture 2011



For HORIZON SERVICES

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(LAB INCHARGE)

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## ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/17755A-1
M/s Shri Gurudatt Sugars Ltd., (Takaliwadi) Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	REPORT DATE	24/02/2024
	LAB REFERENCE NO.	HS/LAB/WA/1435A
	SAMPLING DATE	19/02/2024
	SAMPLE RECEIPT DATE	20/02/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Industrial Waste Water	M/s. Greensafe Enviro Services	Untreated	ETP

## RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	TEST METHOD
1	pH	---	4.60	APHA 24 <sup>th</sup> Ed 2023, 4500-H <sup>+</sup> B
2	Total Suspended Solids	mg/lit	410.00	APHA 24 <sup>th</sup> Ed 2023, 2540 D
3	Total Dissolved Solids	mg/lit	2490.00	APHA 24 <sup>th</sup> Ed 2023, 2540 C
4	Chemical Oxygen Demand	mg/lit	3894.00	APHA 24 <sup>th</sup> Ed 2023, 5220 C
5	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	2049.40	IS-3025 (Part 44) R-2023
6	Chlorides as Cl <sup>-</sup>	mg/lit	496.00	APHA 24 <sup>th</sup> Ed 2023, 4500 Cl <sup>-</sup> B
7	Sulphates as SO <sub>4</sub> --	mg/lit	784.00	APHA 24 <sup>th</sup> Ed 2023, 4500 SO <sub>4</sub> E
8	Oil & Grease	mg/lit	28.00	APHA 24 <sup>th</sup> Ed 2023, 5520 B



For HORIZON SERVICES

*M. N. Angelkar*

(LAB INCHARGE)



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## ANALYSIS REPORT

F/LAB/04/01/17.12.2012

<b>CLIENT'S NAME &amp; ADDRESS</b>	<b>REPORT NO</b>	HS/LAB/WA/17755A-2
<b>M/s Shri Gurudatt Sugars Ltd., (Takaliwadi)</b> Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	<b>REPORT DATE</b>	24/02/2024
	<b>LAB REFERENCE NO.</b>	HS/LAB/WA/1435A
	<b>SAMPLING DATE</b>	19/02/2024
	<b>SAMPLE RECEIPT DATE</b>	20/02/2024

<b>DETAILS OF SAMPLE</b>	<b>SAMPLE COLLECTED BY</b>	<b>NATURE</b>	<b>LOCATION</b>
Industrial Waste Water	M/s. Greensafe Enviro Services	Treated	ETP

## RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	MPCB LIMITS	TEST METHOD
1	pH	---	6.56	5.5-9.0	APHA 24 <sup>th</sup> Ed 2023, 4500-H <sup>+</sup> B
2	Total Suspended Solids	mg/lit	53.90	< 100.00	APHA 24 <sup>th</sup> Ed 2023, 2540 D
3	Total Dissolved Solids	mg/lit	1978.00	< 2100.00	APHA 24 <sup>th</sup> Ed 2023, 2540 C
4	Chemical Oxygen Demand	mg/lit	86.20	< 250.00	APHA 24 <sup>th</sup> Ed 2023, 5220 C
5	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	42.30	< 100.00	IS-3025 (Part 44) R-2023
6	Chlorides as Cl <sup>-</sup>	mg/lit	128.00	< 600.00	APHA 24 <sup>th</sup> Ed 2023, 4500 Cl <sup>-</sup> B
7	Sulphates as SO <sub>4</sub> <sup>--</sup>	mg/lit	310.00	< 1000.00	APHA 24 <sup>th</sup> Ed 2023, 4500 SO <sub>4</sub> E
8	Oil & Grease	mg/lit	5.00	< 10.00	APHA 24 <sup>th</sup> Ed 2023, 5520 B



For **HORIZON SERVICES**

*M. N. Angelkar*

**(LAB INCHARGE)**



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## ANALYSIS REPORT

F/LAB/04/01/17.12.2012

<b>CLIENT'S NAME &amp; ADDRESS</b>	<b>REPORT NO</b>	HS/LAB/WA/17755A-3
<b>M/s.Shri Gurudatt Sugars Ltd., (Takaliwadi)</b> Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist –Kolhapur, Pin- 416108.	<b>REPORT DATE</b>	24/02/2024
	<b>LAB REFERENCE NO</b>	HS/LAB/WA/1435A
	<b>DATE OF SAMPLING</b>	19/02/2024
	<b>DATE OF ANALYSIS</b>	20/02/2024

<b>DETAILS OF SAMPLE</b>	<b>SAMPLE COLLECTED BY</b>	<b>NATURE</b>	<b>LOCATION</b>
Well Water Sample	M/s. Greensafe Enviro Services	---	Shri Gurupad Borgave

## RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	LIMITS AS PER IS10500: 2012 (RA 2018)	TEST METHOD
01	pH	---	7.17	6.5 – 8.5	APHA 24 <sup>th</sup> Ed 2023, 4500-H <sup>+</sup> B
02	Electric Conductivity	µs/cm	300.00	Not Specified	APHA 24 <sup>th</sup> Ed 2023, 2510 B
03	Colour	Pt/Co	< 5.00	<5.00	APHA 24 <sup>th</sup> Ed 2023, 2120 C
04	Odour	---	Agreeable	Agreeable	IS 3025 (P-5):1983 RA 2022
05	Turbidity	NTU	0.80	<1.00	APHA 24 <sup>th</sup> Ed 2023, 2130 B
06	Total Dissolved Solids	mg/lit	220.00	<500.00	APHA 24 <sup>th</sup> Ed 2023, 2540 C
07	Chemical Oxygen Demand	mg/lit	12.00	Not Specified	APHA 24 <sup>th</sup> Ed 2023, 5220 C
08	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	4.00	Not Specified	IS 3025 (Part 44)- R-2023
09	Chlorides as Cl <sup>-</sup>	mg/lit	28.00	<250.00	APHA 24 <sup>th</sup> Ed 2023, 4500 Cl-B
10	Sulphates as SO <sub>4</sub> --	mg/lit	40.00	<200.00	APHA 24 <sup>th</sup> Ed 2023, 4500 SO <sub>4</sub> E
11	Alkalinity as CaCO <sub>3</sub>	mg/lit	38.00	<200.00	APHA 24 <sup>th</sup> Ed 2023, 2320 B
12	Calcium as Ca	mg/lit	20.00	<75.00	APHA 24 <sup>th</sup> Ed 2023, 3500 Ca B
13	Magnesium as Mg	mg/lit	10.00	<30.00	APHA 24 <sup>th</sup> Ed 2023, 3500 Mg B
14	Total Hardness as CaCO <sub>3</sub>	mg/lit	90.00	<200.00	APHA 24 <sup>th</sup> Ed 2023, 2340 C
15	Iron as Fe	mg/lit	0.18	<0.30	APHA 24 <sup>th</sup> Ed 2023, 3500 Fe B
16	Fluoride as F <sup>-</sup>	mg/lit	0.10	<1.00	APHA 24 <sup>th</sup> Ed 2023, 4500-F <sup>-</sup> D
17	Sodium as Na	mg/lit	2.10	Not Specified	APHA 24 <sup>th</sup> Ed 2023, 3500 Na B

**REMARK:** As per IS 10500: 2012(RA 2018), above water sample is chemically potable for drinking purpose, for the parameters tested.

For **HORIZON SERVICES**



*M. N. Angolkar*

(LAB INCHARGE)





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## ANALYSIS REPORT

F/LAB/04/01/17.12.2012

<b>CLIENT'S NAME &amp; ADDRESS</b>	<b>REPORT NO</b>	HS/LAB/WA/17755A-4
<b>M/s Shri Gurudatt Sugars Ltd., (Takaliwadi)</b> Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist –Kolhapur, Pin- 416108.	<b>REPORT DATE</b>	24/02/2024
	<b>LAB REFERENCE NO</b>	HS/LAB/WA/1435A
	<b>DATE OF SAMPLING</b>	19/02/2024
	<b>DATE OF ANALYSIS</b>	20/02/2024

<b>DETAILS OF SAMPLE</b>	<b>SAMPLE COLLECTED BY</b>	<b>NATURE</b>	<b>LOCATION</b>
Soil Sample	M/s. Greensafe Enviro Services	---	Shri Raosaheb Badame

## RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	TEST METHOD
1	pH (10 % Extract)	---	7.22	IS 2720 (Part 26) 1987 RA 2016
2	Chlorides as Cl <sup>-</sup>	mg/kg	172.00	SOP NO: HS/ NABL/ SOIL/27
3	Sulphates as SO <sub>4</sub> <sup>--</sup>	mg/kg	ABSENT	IS 2720 (Part 27)- 2020
4	Total Chromium as Cr	mg/kg	20.00	SOP NO: HS/ NABL/ SOIL/20
5	Total Nitrogen as N	mg/kg	138.00	IS 14684:2019
6	Phosphorus as P	mg/kg	ABSENT	SOP NO: HS/ NABL/ SOIL/08
7	Nickel as Ni	mg/kg	34.00	SOP NO: HS/ NABL/ SOIL/20
8	Cadmium as Cd	mg/kg	0.30	SOP NO: HS/ NABL/ SOIL/20
9	Copper as Cu	mg/kg	38.00	SOP NO: HS/ NABL/ SOIL/26
10	Zinc as Zn	mg/kg	20.00	SOP NO: HS/ NABL/ SOIL/20
11	Total Ammonia as N	mg/kg	ABSENT	Ministry of Agriculture 2011



For **HORIZON SERVICES**

*M. N. Angolkar*

(LAB INCHARGE)





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## ANALYSIS REPORT

F/LAB/04/01/17.12.2012

<b>CLIENT'S NAME &amp; ADDRESS</b> <b>M/s Shri Gurudatt Sugars Ltd.,</b> <b>(Takaliwadi)</b> Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	<b>REPORT NO</b>	HS/LAB/WA/17755A-5
	<b>REPORT DATE</b>	24/02/2024
	<b>LAB REFERENCE NO.</b>	HS/LAB/WA/1435A
	<b>SAMPLING DATE</b>	19/02/2024
	<b>SAMPLE RECEIPT DATE</b>	20/02/2024

<b>DETAILS OF SAMPLE</b>	<b>SAMPLE COLLECTED BY</b>	<b>NATURE</b>	<b>LOCATION</b>
Industrial Waste Water	M/s. Greensafe Enviro Services	---	RO Plant

## RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	TEST METHOD
1	pH	---	7.30	APHA 24 <sup>th</sup> Ed 2023, 4500-H <sup>+</sup> B
2	Total Suspended Solids	mg/lit	74.00	APHA 24 <sup>th</sup> Ed 2023, 2540 D
3	Chemical Oxygen Demand	mg/lit	NIL	APHA 24 <sup>th</sup> Ed 2023, 5220 C
4	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	NIL	IS-3025 (Part 44) R-2023



For **HORIZON SERVICES**

*Manoj Kumar*

**(LAB INCHARGE)**



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## ANALYSIS REPORT

F/LAB/04/01/17.12.2012

<b>CLIENT'S NAME &amp; ADDRESS</b>	<b>REPORT NO</b>	HS/LAB/WA/17755A-6
<b>M/s.Shri Gurudatt Sugars Ltd., (Takaliwadi)</b> Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist –Kolhapur, Pin- 416108.	<b>REPORT DATE</b>	24/02/2024
	<b>LAB REFERENCE NO</b>	HS/LAB/WA/1435A
	<b>DATE OF SAMPLING</b>	19/02/2024
	<b>DATE OF ANALYSIS</b>	20/02/2024

<b>DETAILS OF SAMPLE</b>	<b>SAMPLE COLLECTED BY</b>	<b>NATURE</b>	<b>LOCATION</b>
Well Water Sample	M/s. Greensafe Enviro Services	---	Ramchandra Bedkihaile

## RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	LIMITS AS PER IS10500: 2012 (RA 20180	TEST METHOD
01	pH	---	7.10	6.5 – 8.5	APHA 24 <sup>th</sup> Ed 2023, 4500-H <sup>+</sup> B
02	Electric Conductivity	µs/cm	320.00	Not Specified	APHA 24 <sup>th</sup> Ed 2023, 2510 B
03	Colour	Pt/Co	< 5.00	<5.00	APHA 24 <sup>th</sup> Ed 2023, 2120 C
04	Odour	---	Agreeable	Agreeable	IS 3025 (P-5):1983 RA 2022
05	Turbidity	NTU	0.62	<1.00	APHA 24 <sup>th</sup> Ed 2023, 2130 B
06	Total Dissolved Solids	mg/lit	232.00	<500.00	APHA 24 <sup>th</sup> Ed 2023, 2540 C
07	Chemical Oxygen Demand	mg/lit	8.00	Not Specified	APHA 24 <sup>th</sup> Ed 2023, 5220 C
08	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	2.00	Not Specified	IS 3025 (Part 44)- R-2023
09	Chlorides as Cl <sup>-</sup>	mg/lit	20.00	<250.00	APHA 24 <sup>th</sup> Ed 2023, 4500 Cl-B
10	Sulphates as SO <sub>4</sub> --	mg/lit	30.00	<200.00	APHA 24 <sup>th</sup> Ed 2023, 4500 SO <sub>4</sub> E
11	Alkalinity as CaCO <sub>3</sub>	mg/lit	32.00	<200.00	APHA 24 <sup>th</sup> Ed 2023, 2320 B
12	Calcium as Ca	mg/lit	24.00	<75.00	APHA 24 <sup>th</sup> Ed 2023, 3500 Ca B
13	Magnesium as Mg	mg/lit	12.00	<30.00	APHA 24 <sup>th</sup> Ed 2023, 3500 Mg B
14	Total Hardness as CaCO <sub>3</sub>	mg/lit	108.00	<200.00	APHA 24 <sup>th</sup> Ed 2023, 2340 C
15	Iron as Fe	mg/lit	0.10	<0.30	APHA 24 <sup>th</sup> Ed 2023, 3500 Fe B
16	Fluoride as F <sup>-</sup>	mg/lit	0.10	<1.00	APHA 24 <sup>th</sup> Ed 2023, 4500-F <sup>-</sup> D
17	Sodium as Na	mg/lit	2.14	Not Specified	APHA 24 <sup>th</sup> Ed 2023, 3500 Na B

**REMARK:** As per IS 10500: 2012(RA 2018), above water sample is chemically potable for drinking purpose, for the parameters tested.

For **HORIZON SERVICES**



**(LAB INCHARGE)**



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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### AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/22-23/13178A/2
Dated	: 19/01/2023
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

SR. NO.	TEST DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	11/01/2023		
02	TEST LOCATION		Near Weigh Bridge		
03	TIME OF SAMPLING	Hrs	09:15-17:15		
04	TEMPERATURE (Max./Min)	Deg C	32/20		
05	RELATIVE HUMIDITY	% RH	46		
06	SAMPLING DURATION	Hrs	8		
07	PM <sub>10</sub>	µg/m <sup>3</sup>	93.00	≤100	IS 5182(part 23),2006
08	PM <sub>2.5</sub>	µg/m <sup>3</sup>	52.00	≤60	CPCB Guidelines Volume – I Pg. No.15
09	SO <sub>2</sub>	µg/m <sup>3</sup>	8.00	≤80	IS 5182(part 2),2001, RA 2006
10	NO <sub>2</sub>	µg/m <sup>3</sup>	30.40	≤80	IS 5182(part 6),2006

#### Calibrations details: -

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
01	RDS/FM-02	TECH/CAL/2022/04.A/15	20/04/2022	19/04/2023
02	RDS/UM-02	TECH/CAL/2022/04.A/3	20/04/2022	19/04/2023

NAAQS – National Ambient Air Quality Standards (2009)

BDL- Below detectable level

*manoj kumar*  
For HORIZON SERVICES



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### AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/22-23/13178A/3
Dated	: 19/01/2023
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

Sr. NO.	TEST DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	11/01/2023		
02	TEST LOCATION		Near ETP		
03	TIME OF SAMPLING	Hrs	17:35-18:35		
04	TEMPERATURE (Max./Min)	Deg C	32/20		
05	RELATIVE HUMIDITY	% RH	46		
06	SAMPLING DURATION	Hrs	8		
07	PM <sub>10</sub>	µg/m <sup>3</sup>	71.00	≤100	IS 5182(part 23),2006
08	PM <sub>2.5</sub>	µg/m <sup>3</sup>	29.00	≤60	CPCB Guidelines Volume - I Pg. No.15
09	SO <sub>2</sub>	µg/m <sup>3</sup>	7.60	≤80	IS 5182(part 2),2001, RA 2006
10	NO <sub>2</sub>	µg/m <sup>3</sup>	27.40	≤80	IS 5182(part 6),2006

#### Calibrations details: -

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
1	RDS/FM-03	TECH/CAL/2022/04.A/16	20/04/2022	19/04/2023
2	RDS/UM-03	TECH/CAL/2022/04.A/5	20/04/2022	19/04/2023

NAAQS – National Ambient Air Quality Standards (2009)

BDL- Below detectable level

*M. N. G. G. G.*  
For HORIZON SERVICES



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Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202, 25460203. • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

### AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/22-23/062A/1
Dated	: 07/11/2022
Client.	: M/s SHREE GURUDATTA SUGARS LTD., TAKALIVADI
Site.	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL - SHIROL, DIST -KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. SHRUSTI ENVIROCARE

### RESULTS

Sr. NO.	TEST DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	29/10/2022		
02	TEST LOCATION		Near Factory Main Gate		
03	TIME OF SAMPLING	Hrs	9:00 - 17:00		
04	TEMPERATURE (Max./Min)	Deg C	34/22		
05	RELATIVE HUMIDITY	% RH	45		
06	SAMPLING DURATION	Hrs	8		
07	PM <sub>10</sub>	µg/m <sup>3</sup>	58.00	≤100	IS 5182(part 23),2006
08	PM <sub>2.5</sub>	µg/m <sup>3</sup>	28.20	≤60	CPCB Guidelines Volume - I Pg. No.15
09	SO <sub>2</sub>	µg/m <sup>3</sup>	6.50	≤80	IS 5182(part 2),2001, RA 2006
10	NO <sub>2</sub>	µg/m <sup>3</sup>	20.60	≤80	IS 5182(part 6),2006

#### Calibrations details: -

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
1	PEM - ADS 2.5µ/10µ Sr. No 21914	PICS/F/ADS/03-22/21	16/03/2022	15/03/2023
2	Respirable Dust Sampler; Sr. No. 4	TECH/CAL/2022/06.F/7	07/06/2022	06/06/2023

NAAQS - National Ambient Air Quality Standards (2009)

*managoevka*  
For HORIZON SERVICES



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### AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/22-23/13178A/1
Dated	: 19/01/2023
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

SR. NO.	TEST DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	11/01/2023		
02	TEST LOCATION		Near Factory Main Gate		
03	TIME OF SAMPLING	Hrs	09:05-17:05		
04	TEMPERATURE (Max./Min)	Deg C	32/20		
05	RELATIVE HUMIDITY	% RH	46		
06	SAMPLING DURATION	Hrs	8		
07	PM10	µg/m <sup>3</sup>	79.00	≤100	IS 5182(part 23),2006
08	PM <sub>2.5</sub>	µg/m <sup>3</sup>	37.00	≤60	CPCB Guidelines Volume – I Pg. No.15
09	SO <sub>2</sub>	µg/m <sup>3</sup>	7.40	≤80	IS 5182(part 2),2001, RA 2006
10	NO <sub>2</sub>	µg/m <sup>3</sup>	27.00	≤80	IS 5182(part 6),2006

#### Calibrations details: -

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
01	RDS/FM-01	TECH/CAL/2022/04.A/14	20/04/2022	19/04/2023
02	RDS/UM-01	TECH/CAL/2022/04.A/1	20/04/2022	19/04/2023

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BDL- Below detectable level

*M. A. G. K.*

For HORIZON SERVICES



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Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

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### AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/22-23/010048A/2
Dated	: 23/11/2022
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

SR. NO.	TEST DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	18/11/2022		
02	TEST LOCATION		Near Weigh Bridge		
03	TIME OF SAMPLING	Hrs	09:15-17:15		
04	TEMPERATURE (Max./Min)	Deg C	34/21		
05	RELATIVE HUMIDITY	% RH	40		
06	SAMPLING DURATION	Hrs	8		
07	PM <sub>10</sub>	µg/m <sup>3</sup>	78.00	≤100	IS 5182(part 23),2006
08	PM <sub>2.5</sub>	µg/m <sup>3</sup>	42.00	≤60	CPCB Guidelines Volume - I Pg. No.15
09	SO <sub>2</sub>	µg/m <sup>3</sup>	7.80	≤80	IS 5182(part 2),2001, RA 2006
10	NO <sub>2</sub>	µg/m <sup>3</sup>	30.00	≤80	IS 5182(part 6),2006

#### Calibrations details: -

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
01	RDS/FM-02	TECH/CAL/2022/04.A/15	20/04/2022	19/04/2023
02	RDS/UM-02	TECH/CAL/2022/04.A/3	20/04/2022	19/04/2023

NAAQS – National Ambient Air Quality Standards (2009)

BDL- Below detectable level

*M. N. A. G. K. A.*  
For HORIZON SERVICES



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### AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/22-23/010048A/3
Dated	: 23/11/2022
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

SR. NO.	TEST DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	18/11/2022		
02	TEST LOCATION		Near ETP		
03	TIME OF SAMPLING	Hrs	09:30-17:30		
04	TEMPERATURE (Max./Min)	Deg C	34/21		
05	RELATIVE HUMIDITY	% RH	40		
06	SAMPLING DURATION	Hrs	8		
07	PM <sub>10</sub>	µg/m <sup>3</sup>	70.00	≤100	IS 5182(part 23),2006
08	PM <sub>2.5</sub>	µg/m <sup>3</sup>	28.00	≤60	CPCB Guidelines Volume – I Pg. No.15
09	SO <sub>2</sub>	µg/m <sup>3</sup>	6.60	≤80	IS 5182(part 2),2001, RA 2006
10	NO <sub>2</sub>	µg/m <sup>3</sup>	27.00	≤80	IS 5182(part 6),2006

#### Calibrations details: -

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
01	RDS/FM-03	TECH/CAL/2022/04.A/16	20/04/2022	19/04/2023
02	RDS/UM-03	TECH/CAL/2022/04.A/5	20/04/2022	19/04/2023

NAAQS – National Ambient Air Quality Standards (2009)

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*menalgaokar*  
For HORIZON SERVICES



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### STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/22-23/010048A/4
Dated	: 23/11/2022
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	18/11/2022		
02	TEST LOCATION		Boiler 1 & 2 (Capacity-70 MT/Hr & 40 MT/Hr)		
03	TIME OF SAMPLING (00.00)	Hrs	10:00		
04	MATERIAL OF STACK		--		
05	STACK HEIGHT (AGL)	Mtr	65		
06	TYPE OF FUEL USED	--	Baggase		
07	FUEL CONSUMPTION	MT/Hr	55		
08	TYPE OF STACK		Round		
09	FLUE GAS TEMPERATURE	Deg C	134		
10	VELOCITY	M/Sec	7.7		
11	DIAMETER OF STACK	M	3.43		
12	GAS VOLUME	Nm <sup>3</sup> /Hr	189131.60		
13	PM	mg/Nm <sup>3</sup>	79.40	As per Consent	IS 11255 (Part 1)
14	SO <sub>2</sub>	Kg/Day	40.10	As per Consent	IS 11255 (Part 2)

Calibrations details: -

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
01	SMK/IT-01	TECH/CAL/2022/04.A/7	20/04/2022	19/04/2023

*mna galeka*  
For HORIZON SERVICES



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### AMBIENT NOISE LEVEL MONITORING REPORT

Report No.	: HS/REP/22-23/010048A/5
Dated	: 23/11/2022
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES
Date of Sampling	: 18/11/2022

### RESULTS

SR. NO.	TEST LOCATION	UNIT	DAY TIME		NIGHT TIME	
			Time	Readings	Time	Readings
01	Near Main Gate	dB (A)	10:30 hrs.	71.0	22:30 hrs.	66.6
02	Near Boiler	dB (A)	10:40 hrs.	70.4	22:40 hrs.	66.3
03	Near ETP Area	dB (A)	10:50 hrs.	67.2	22:50 hrs.	63.7
04	Near Sugar Godown	dB (A)	11:00 hrs.	74.0	23:00 hrs.	69.1
05	Near Laboratory	dB (A)	11:10 hrs.	73.3	23:10 hrs.	68.0
06	Near Mill House	dB (A)	11:20 hrs.	72.5	23:20 hrs.	67.3
07	Near Pan Section	dB (A)	11:30 hrs.	73.9	23:30 hrs.	69.5
08	Near Sugar Plant	dB (A)	11:40 hrs.	72.4	23:40 hrs.	68.0
09	Near Weigh Bridge	dB (A)	11:50 hrs.	70.7	23:50 hrs.	67.4
10	Near Centrifugal	dB (A)	12:00 hrs.	72.0	24:00 hrs.	68.4

Calibrations details: -

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
01	Make- Mextech, SR.NO.-GE/DB-01, MODEL NO.-4201	TECH/CAL/2022/04.A/11	20/04/2022	19/04/2023

Limits:

≤75 dB (A) For Day Time

≤70 dB (A) For Night Time

### REMARK/OBSERVATIONS:

Noise levels limits are given as per Noise Pollution (Regulation & Control) Rules 2010.



*mnalga*  
For HORIZON SERVICES

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### STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/22-23/13178A/5
Dated	: 19/01/2023
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	11/01/2023		
02	TEST LOCATION		Incinerator Boiler		
03	TIME OF SAMPLING (00.00)	Hrs	10:00		
04	MATERIAL OF STACK		--		
05	STACK HEIGHT	Mtr	82		
06	TYPE OF FUEL USED	--	Coal & Con. Spent Wash		
07	TYPE OF STACK		Round		
08	FLUE GAS TEMPERATURE	Deg C	186		
09	VELOCITY	M/Sec	8.65		
10	DIAMETER OF STACK	M	4.43		
11	GAS VOLUME	Nm <sup>3</sup> /Hr	311146.87		
12	PM	mg/Nm <sup>3</sup>	34.85	150	IS 11255 (Part 1)
13	SO <sub>2</sub>	Kg/Day	108.20	500	IS 11255 (Part 2)

#### Calibrations details: -

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
01	SMK/IT-01	TECH/CAL/2022/04.A/7	20/04/2022	19/04/2023

*Manoj Kumar*  
For HORIZON SERVICES



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### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/13075A-2
M/s Shri Gurudatt Sugars Ltd., (Takaliwadi) Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	REPORT DATE	19/01/2023
	LAB REFERENCE NO	HS/LAB/WA/1109A
	DATE OF SAMPLING	11/01/2023
	DATE OF ANALYSIS	12/01/2023

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Industrial Waste Water	M/s. Greensafe Enviro Services	Treated	ETP

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	MPCB LIMITS	TEST METHOD
1	pH	---	7.10	5.5-9.0	APHA 23 <sup>rd</sup> Ed 2017, 4500-H <sup>+</sup> B
2	Total Suspended Solids	mg/lit	60.00	< 100.00	APHA 23 <sup>rd</sup> Ed 2017, 2540 D
3	Total Dissolved Solids	mg/lit	1784.00	< 2100.00	APHA 23 <sup>rd</sup> Ed 2017, 2540 C
4	Chemical Oxygen Demand	mg/lit	164.00	< 250.00	APHA 23 <sup>rd</sup> Ed 2017, 5220 C
5	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	44.00	< 100.00	IS-3025 (Part 44) R-2009
6	Chlorides as Cl <sup>-</sup>	mg/lit	338.00	< 600.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 Cl <sup>-</sup> B
7	Sulphates as SO <sub>4</sub> --	mg/lit	580.00	< 1000.00	APHA 23 <sup>rd</sup> 2017, 4500 SO <sub>4</sub> E
8	Oil & Grease	mg/lit	<5.00	< 10.00	APHA 23 <sup>rd</sup> Ed 2017, 5520 B



For HORIZON SERVICES

*M. N. Argalika*  
(LAB INCHARGE)

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### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/10077A-2
M/s Shri Gurudatt Sugars Ltd., (Takaliwadi) Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	REPORT DATE	23/11/2022
	LAB REFERENCE NO	HS/LAB/WA/0898A
	DATE OF SAMPLING	18/11/2022
	DATE OF ANALYSIS	19/11/2022

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Industrial Waste Water	M/s. Greensafe Enviro Services	Treated	ETP

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	MPCB LIMITS	TEST METHOD
1	pH	---	7.30	5.5-9.0	APHA 23 <sup>rd</sup> Ed 2017, 4500-H+B
2	Total Suspended Solids	mg/lit	64.00	< 100.00	APHA 23 <sup>rd</sup> Ed 2017, 2540 D
3	Total Dissolved Solids	mg/lit	1824.00	< 2100.00	APHA 23 <sup>rd</sup> Ed 2017, 2540 C
4	Chemical Oxygen Demand	mg/lit	178.00	< 250.00	APHA 23 <sup>rd</sup> Ed 2017, 5220 C
5	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	48.00	< 100.00	IS-3025 (Part 44) R-2003
6	Chlorides as Cl <sup>-</sup>	mg/lit	342.00	< 600.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 Cl-B
7	Sulphates as SO <sub>4</sub> <sup>--</sup>	mg/lit	570.00	< 1000.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 SO <sub>4</sub> E
8	Oil & Grease	mg/lit	<5.00	< 10.00	APHA 23 <sup>rd</sup> Ed 2017, 5520 B



For HORIZON SERVICES

*mnaigalkar*  
(LAB INCHARGE)

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### AMBIENT NOISE LEVEL MONITORING REPORT

Report No.	: HS/REP/22-23/13178A/6
Dated	: 19/01/2023
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES
Date of Sampling	: 11/01/2023

### RESULTS

SR. NO.	TEST LOCATION	UNIT	DAY TIME		NIGHT TIME	
			Time	Readings	Time	Readings
01	Near Main Gate	dB (A)	10:20 hrs.	72.0	22:20 hrs.	66.7
02	Near Boiler	dB (A)	10:30 hrs.	72.9	22:30 hrs.	66.0
03	Near ETP Area	dB (A)	10:40 hrs.	67.4	22:40 hrs.	63.9
04	Near Sugar Godown	dB (A)	10:50 hrs.	74.7	22:50 hrs.	68.6
05	Near Laboratory	dB (A)	11:00 hrs.	73.1	23:00 hrs.	68.4
06	Near Mill House	dB (A)	11:10 hrs.	72.5	23:10 hrs.	68.1
07	Near Pan Section	dB (A)	11:20 hrs.	73.6	23:20 hrs.	69.7
08	Near Sugar Plant	dB (A)	11:30 hrs.	71.9	23:30 hrs.	69.0
09	Near Weigh Bridge	dB (A)	11:40 hrs.	69.9	23:40 hrs.	67.6
10	Near Centrifugal	dB (A)	11:50 hrs.	72.5	23:50 hrs.	70.0

Calibrations details: -

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
01	Make- Mextech, SR.NO.-GE/DB-01, MODEL NO.-4201	TECH/CAL/2022/04.A/11	20/04/2022	19/04/2023

Limits:

≤75 dB (A) For Day Time  
≤70 dB (A) For Night Time

### REMARK/OBSERVATIONS:

Noise levels limits are given as per Noise Pollution (Regulation & Control) Rules 2010.



*M. N. G. G. G.*  
For HORIZON SERVICES

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Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202, 25460203. • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

<b>CLIENT'S NAME &amp; ADDRESS</b>	<b>REPORT NO</b>	HS/LAB/WA/10077A-4
M/s. Shri Gurudatt Sugars Ltd (Takaliwadi) Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	<b>REPORT DATE</b>	23/11/2022
	<b>LAB REFERENCE NO</b>	HS/LAB/WA/0898A
	<b>DATE OF SAMPLING</b>	18/11/2022
	<b>DATE OF ANALYSIS</b>	19/11/2022

<b>DETAILS OF SAMPLE</b>	<b>SAMPLE COLLECTED BY</b>	<b>NATURE</b>	<b>LOCATION</b>
Soil Sample	M/s. Greensafe Enviro Services	---	Hegade

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	TEST METHOD
1	pH(10 % Extract)	---	7.10	IS 2720 (Part 26) 1987
2	Chlorides as Cl <sup>-</sup>	mg/kg	224.00	SOP No: WI/Lab/Soil/CA/13
3	Sulphates as SO <sub>4</sub> --	mg/kg	ABSENT	IS 2720 (Part 27)- 1977 (RA 2010)
4	Total Chromium as Cr	mg/kg	12.00	Ministry of Agriculture 2011
5	Total Nitrogen as N	mg/kg	142.00	IS 14684:1999
6	Phosphorus as P	mg/kg	ABSENT	HS/NABL/SOIL/8
7	Nickel as Ni	mg/kg	20.00	Ministry of Agriculture 2011
8	Cadmium as Cd	mg/kg	2.10	Ministry of Agriculture 2011
9	Copper as Cu	mg/kg	58.00	Ministry of Agriculture 2011
10	Zinc as Zn	mg/kg	28.00	HS/NABL/SOIL/11
11	Total Ammonia as N	mg/kg	ABSENT	Ministry of Agriculture 2011



For HORIZON SERVICES

*menalgaleka*  
(LAB INCHARGE)

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"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/13075A-4
M/s Shri Gurudatt Sugars Ltd., (Takaliwadi) Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	REPORT DATE	19/01/2023
	LAB REFERENCE NO	HS/LAB/WA/1109A
	DATE OF SAMPLING	11/01/2023
	DATE OF ANALYSIS	12/01/2023

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Soil Sample	M/s. Greensafe Enviro Services	---	Pranav Mane-Takali

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	TEST METHOD
1	pH(10 % Extract)	---	7.00	IS 2720 (Part 26) 1987
2	Chlorides as Cl <sup>-</sup>	mg/kg	224.00	SOP No: WI/Lab/Soil/CA/13
3	Sulphates as SO <sub>4</sub> --	mg/kg	ABSENT	IS 2720 (Part 27)- 1977 (RA 2010)
4	Total Chromium as Cr	mg/kg	8.00	Ministry of Agriculture 2011
5	Total Nitrogen as N	mg/kg	134.00	IS 14684:1999
6	Phosphorus as P	mg/kg	ABSENT	HS/NABL/SOIL/8
7	Nickel as Ni	mg/kg	20.00	Ministry of Agriculture 2011
8	Cadmium as Cd	mg/kg	1.40	Ministry of Agriculture 2011
9	Copper as Cu	mg/kg	48.00	Ministry of Agriculture 2011
10	Zinc as Zn	mg/kg	32.00	HS/NABL/SOIL/11
11	Total Ammonia as N	mg/kg	ABSENT	Ministry of Agriculture 2011

For HORIZON SERVICES



*managolka*  
(LAB INCHARGE)

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"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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### STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/22-23/13178A/4
Dated	: 19/01/2023
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	11/01/2023		
02	TEST LOCATION		Boiler 1 & 2 (Capacity-70 MT/Hr & 40 MT/Hr)		
03	TIME OF SAMPLING (00.00)	Hrs	09:00		
04	MATERIAL OF STACK		--		
05	STACK HEIGHT (AGL)	Mtr	65		
06	TYPE OF FUEL USED	--	Baggase		
07	FUEL CONSUMPTION	MT/Hr	55		
08	TYPE OF STACK		Round		
09	FLUE GAS TEMPERATURE	Deg C	149		
10	VELOCITY	M/Sec	7.8		
11	DIAMETER OF STACK	M	3.43		
12	GAS VOLUME	Nm <sup>3</sup> /Hr	183475.3		
13	PM	mg/Nm <sup>3</sup>	86.58	As per Consent	IS 11255 (Part 1)
14	SO <sub>2</sub>	Kg/Day	98.60	As per Consent	IS 11255 (Part 2)

Calibrations details: -

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
01	SMK/IT-01	TECH/CAL/2022/04.A/7	20/04/2022	19/04/2023

*M. N. Algaonkar*  
For HORIZON SERVICES



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### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/10077A-3
M/s. Shri Gurudatt Sugars Ltd. (Takaliwadi) Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	REPORT DATE	23/11/2022
	LAB REFERENCE NO	HS/LAB/WA/0898A
	DATE OF SAMPLING	18/11/2022
	DATE OF ANALYSIS	19/11/2022

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Well Water Sample	M/s. Greensafe Enviro Services	---	Bhokare Well

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	LIMITS AS PER IS10500: 2018	TEST METHOD
01	pH	---	7.10	6.5 – 8.5	APHA 23 <sup>rd</sup> 2017, 4500-H*B
02	Electric Conductivity	µs/cm	154.00	Not Specified	APHA 23 <sup>rd</sup> 2017, 2510 B
03	Colour	Hazen	< 5.00	<5.00	APHA 23 <sup>rd</sup> 2017, 2120 C
04	Odour	---	Agreeable	Agreeable	APHA 23 <sup>rd</sup> 2017, 2150 B
05	Turbidity	NTU	< 1.00	<1.00	APHA 23 <sup>rd</sup> 2017, 2130 B
06	Total Dissolved Solids	mg/lit	122.00	<500.00	APHA 23 <sup>rd</sup> 2017, 2540 C
07	Chemical Oxygen Demand	mg/lit	4.00	Not Specified	APHA 23 <sup>rd</sup> 2017, 5220 C
08	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	2.00	Not Specified	IS 3025 (Part 44)- R-2003
09	Chlorides as Cl <sup>-</sup>	mg/lit	40.00	<250.00	APHA 23 <sup>rd</sup> 2017, 4500 Cl-B
10	Sulphates as SO <sub>4</sub> <sup>--</sup>	mg/lit	72.00	<200.00	APHA 23 <sup>rd</sup> 2017, 4500 SO <sub>4</sub> E
11	Alkalinity as CaCO <sub>3</sub>	mg/lit	46.00	<200.00	APHA 23 <sup>rd</sup> 2017, 2320 B
12	Calcium as Ca	mg/lit	28.00	<75.00	APHA 23 <sup>rd</sup> 2017, 3500 Ca B
13	Magnesium as Mg	mg/lit	22.00	<30.00	APHA 23 <sup>rd</sup> 2017, 3500 Mg B
14	Total Hardness as CaCO <sub>3</sub>	mg/lit	120.00	<200.00	APHA 23 <sup>rd</sup> 2017, 2340 C
15	Iron as Fe	mg/lit	0.10	<0.30	APHA 23 <sup>rd</sup> 2017, 3500 Fe B
16	Fluoride as F <sup>-</sup>	mg/lit	<0.10	<1.00	APHA 23 <sup>rd</sup> 2017, 4500-F D
17	Sodium as Na	mg/lit	8.00	Not Specified	APHA 23 <sup>rd</sup> 2017, 3500 Na B

**REMARK:** As per IS 10500: 2018, above water sample is chemically & bacteriologically potable for drinking purpose, for the parameters tested.



For HORIZON SERVICES  
*M. N. A. B. K. A.*  
(LAB INCHARGE)

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**Lab NABL Accredited - Testing - Chemical Field (TC - 7064)**

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/13075A-3
M/s Shri Gurudatt Sugars Ltd., (Takaliwadi) Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	REPORT DATE	19/01/2023
	LAB REFERENCE NO	HS/LAB/WA/1109A
	DATE OF SAMPLING	11/01/2023
	DATE OF ANALYSIS	12/01/2023

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Well Water Sample	M/s. Greensafe Enviro Services	---	Pandurang Koli- Takali, Near Distillery

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	LIMITS AS PER IS10500: 2018	TEST METHOD
01	pH	---	7.30	6.5 - 8.5	APHA 23 <sup>rd</sup> 2017, 4500-H+B
02	Electric Conductivity	µs/cm	138.00	Not Specified	APHA 23 <sup>rd</sup> 2017, 2510 B
03	Colour	Hazen	<5.00	<5.00	APHA 23 <sup>rd</sup> 2017, 2120 C
04	Odour	---	Agreeable	Agreeable	APHA 23 <sup>rd</sup> 2017, 2150 B
05	Turbidity	NTU	<1.00	<1.00	APHA 23 <sup>rd</sup> 2017, 2130 B
06	Total Dissolved Solids	mg/lit	116.00	<500.00	APHA 23 <sup>rd</sup> 2017, 2540 C
07	Chemical Oxygen Demand	mg/lit	2.00	Not Specified	APHA 23 <sup>rd</sup> 2017, 5220 C
08	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	1.00	Not Specified	IS 3025 (Part 44)- R-2003
09	Chlorides as Cl <sup>-</sup>	mg/lit	34.00	<250.00	APHA 23 <sup>rd</sup> 2017, 4500 Cl-B
10	Sulphates as SO <sub>4</sub> --	mg/lit	64.00	<200.00	APHA 23 <sup>rd</sup> 2017, 4500 SO <sub>4</sub> E
11	Alkalinity as CaCO <sub>3</sub>	mg/lit	42.00	<200.00	APHA 23 <sup>rd</sup> 2017, 2320 B
12	Calcium as Ca	mg/lit	24.00	<75.00	APHA 23 <sup>rd</sup> 2017, 3500 Ca B
13	Magnesium as Mg	mg/lit	18.00	<30.00	APHA 23 <sup>rd</sup> 2017, 3500 Mg B
14	Total Hardness as CaCO <sub>3</sub>	mg/lit	102.00	<200.00	APHA 23 <sup>rd</sup> 2017, 2340 C
15	Iron as Fe	mg/lit	0.10	<0.30	APHA 23 <sup>rd</sup> 2017, 3500 Fe B
16	Fluoride as F <sup>-</sup>	mg/lit	<0.20	<1.00	APHA 23 <sup>rd</sup> 2017, 4500-F- D
17	Sodium as Na	mg/lit	4.00	Not Specified	APHA 23 <sup>rd</sup> 2017, 3500 Na B

**REMARK:** As per IS 10500: 2018, above water sample is chemically & bacteriologically potable for drinking purpose, for the parameters tested.



For HORIZON SERVICES  
*M. N. G. G. G.*  
 (LAB INCHARGE)

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**Lab NABL Accredited - Testing - Chemical Field (TC - 7064)**

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### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/04904A-1
M/s. Shri Gurudatt Sugars Ltd (Takaliwadi) Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	REPORT DATE	01/08/2022
	LAB REFERENCE NO	HS/LAB/WA/0461A
	DATE OF SAMPLING	25/07/2022
	DATE OF ANALYSIS	26/07/2022

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Well Water Sample	Greensafe Enviro Services	---	Pandurang Koli - Takali, Near Distillery

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	LIMITS AS PER IS10500: 2018	TEST METHOD
01	pH	---	7.10	6.5 - 8.5	APHA 23 <sup>rd</sup> Ed 2017, 4500-H <sup>+</sup> B
02	Electric Conductivity	µs/cm	156.00	Not Specied	APHA 23 <sup>rd</sup> Ed 2017, 2510 B
03	Colour	Hazen	<5.00	<5.00	APHA 23 <sup>rd</sup> Ed 2017, 2120 C
04	Odour	---	Agreeable	Agreeable	APHA 23 <sup>rd</sup> Ed 2017, 2150 B
05	Turbidity	NTU	<1.00	<1.00	APHA 23 <sup>rd</sup> Ed 2017, 2130 B
06	Total Dissolved Solids	mg/lit	132.00	<500.00	APHA 23 <sup>rd</sup> Ed 2017, 2540 C
07	Chemical Oxygen Demand	mg/lit	4.00	Not Specied	APHA 23 <sup>rd</sup> Ed 2017, 5220 C
08	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	2.00	Not Specied	IS 3025 (Part 44)- R-2003
09	Chlorides as Cl <sup>-</sup>	mg/lit	38.00	<250.00	APHA 23 <sup>rd</sup> ED 2017, 4500 Cl-B
10	Sulphates as SO <sub>4</sub> <sup>==</sup>	mg/lit	68.00	<200.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 SO <sub>4</sub> E
11	Alkalinity as CaCO <sub>3</sub>	mg/lit	46.00	<200.00	APHA 23 <sup>rd</sup> Ed 2017, 2320 B
12	Calcium as Ca	mg/lit	28.00	<75.00	APHA 23 <sup>rd</sup> Ed 2017, 3500 Ca B
13	Magnesium as Mg	mg/lit	20.00	<30.00	APHA 23 <sup>rd</sup> Ed 2017, 3500 Mg B
14	Total Hardness as CaCO <sub>3</sub>	mg/lit	106.00	<200.00	APHA 23 <sup>rd</sup> Ed 2017, 2340 C
15	Iron as Fe	mg/lit	0.10	<0.30	APHA 23 <sup>rd</sup> Ed 2017, 3500 Fe B
16	Fluoride as F <sup>-</sup>	mg/lit	<0.10	<1.00	APHA 23 <sup>rd</sup> Ed 2017, 4500-F- D
17	Sodium as Na	mg/lit	6.00	Nct Specied	APHA 23 <sup>rd</sup> Ed 2017, 3500 Na B

**REMARK:** As per IS 10500: 2018, above water sample is chemically & bacteriologically potable for drinking purpose, for the parameters tested.



For HORIZON SERVICES

*m. nalgurkar*  
 (LAB INCHARGE)



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)  
Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

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## STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/22-23/09965
Dated	: 22/11/2022
Client	: M/s SHREE GURUDATTA SUGARS LTD., TAKALIVADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST -KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. HORIZON SERVICES

### RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	METHODS USED
01	DATE OF SAMPLING	DD/MM/YY	18/11/2022		
02	TEST LOCATION		Boiler Stack Without Lime Stone		
03	TIME OF SAMPLING	Hrs	13:30		
04	MATERIAL OF STACK		--		
05	STACK HEIGHT	Mtr	--		
06	TYPE OF FUEL USED		--		
07	FUEL CONSUMPTION	MT/Hr	--		
08	TYPE OF STACK		Round		
09	FLUE GAS TEMPERATURE	Deg C	198		
10	VELOCITY	M/Sec	8.30		
11	DIAMETER OF STACK	M	4.1		
12	GAS VOLUME	Nm <sup>3</sup> /Hr	249558.87		
13	TPM	mg/Nm <sup>3</sup>	42.67	As per Consent	IS 11255 (Part 1)
14	SO <sub>2</sub>	Kg/Day	128.49	As per Consent	--
15	NOx	ppm	26.0	--	Flue Gas Analyser- based on manufacturer's Manual

Equipment Used: -1) Stack Monitoring Kit, Sr.No. 09/2018 (ETCL model)  
Date of Calibration: -07/08/2022 Next Calibration due: - 06/08/2023

Gas Analyser - Sr. No. 60012564 (Seitron Make)  
Date of Calibration: -14/09/2022 Next Calibration due: -13/09/2023

*m. n. g. a. v. e. r. a.*  
For HORIZON SERVICES



*Received by*  
*14/11/22*  
*Pravin Thakur*

#### DISCLAIMER:

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Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)  
Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

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### AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/22-23/010048A/1
Dated	: 23/11/2022
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

SR. NO.	TEST DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	18/11/2022		
02	TEST LOCATION		Near Factory Main Gate		
03	TIME OF SAMPLING	Hrs	09:00-17:00		
04	TEMPERATURE (Max./Min)	Deg C	34/21		
05	RELATIVE HUMIDITY	% RH	40		
06	SAMPLING DURATION	Hrs	8		
07	PM <sub>10</sub>	µg/m <sup>3</sup>	60.00	≤100	IS 5182(part 23),2006
08	PM <sub>2.5</sub>	µg/m <sup>3</sup>	29.00	≤60	CPCB Guidelines Volume - I Pg. No.15
09	SO <sub>2</sub>	µg/m <sup>3</sup>	6.70	≤80	IS 5182(part 2),2001, RA 2006
10	NO <sub>2</sub>	µg/m <sup>3</sup>	26.00	≤80	IS 5182(part 6),2006

#### Calibrations details: -

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
01	RDS/FM-01	TECH/CAL/2022/04.A/14	20/04/2022	19/04/2023
02	RDS/UM-01	TECH/CAL/2022/04.A/1	20/04/2022	19/04/2023

NAAQS – National Ambient Air Quality Standards (2009)

BDL- Below detectable level

*M. N. A. G. S.*  
For HORIZON SERVICES



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Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)  
Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.  
• Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202, 25460203. • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

### AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/22-23/010048A/2
Dated	: 23/11/2022
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

SR. NO.	TEST DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	18/11/2022		
02	TEST LOCATION		Near Weigh Bridge		
03	TIME OF SAMPLING	Hrs	09:15-17:15		
04	TEMPERATURE (Max./Min)	Deg C	34/21		
05	RELATIVE HUMIDITY	% RH	40		
06	SAMPLING DURATION	Hrs	8		
07	PM <sub>10</sub>	µg/m <sup>3</sup>	78.00	≤100	IS 5182(part 23),2006
08	PM <sub>2.5</sub>	µg/m <sup>3</sup>	42.00	≤60	CPCB Guidelines Volume - I Pg. No.15
09	SO <sub>2</sub>	µg/m <sup>3</sup>	7.80	≤80	IS 5182(part 2),2001, RA 2006
10	NO <sub>2</sub>	µg/m <sup>3</sup>	30.00	≤80	IS 5182(part 6),2006

#### Calibrations details: -

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
01	RDS/FM-02	TECH/CAL/2022/04.A/15	20/04/2022	19/04/2023
02	RDS/UM-02	TECH/CAL/2022/04.A/3	20/04/2022	19/04/2023

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*mn aagarkar*  
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### AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/22-23/010048A/3
Dated	: 23/11/2022
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

SR. NO.	TEST DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	18/11/2022		
02	TEST LOCATION		Near ETP		
03	TIME OF SAMPLING	Hrs	09:30-17:30		
04	TEMPERATURE (Max./Min)	Deg C	34/21		
05	RELATIVE HUMIDITY	% RH	40		
06	SAMPLING DURATION	Hrs	8		
07	PM <sub>10</sub>	µg/m <sup>3</sup>	70.00	≤100	IS 5182(part 23),2006
08	PM <sub>2.5</sub>	µg/m <sup>3</sup>	28.00	≤60	CPCB Guidelines Volume – I Pg. No.15
09	SO <sub>2</sub>	µg/m <sup>3</sup>	6.60	≤80	IS 5182(part 2),2001, RA 2006
10	NO <sub>2</sub>	µg/m <sup>3</sup>	27.00	≤80	IS 5182(part 6),2006

#### Calibrations details: -

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
01	RDS/FM-03	TECH/CAL/2022/04.A/16	20/04/2022	19/04/2023
02	RDS/UM-03	TECH/CAL/2022/04.A/5	20/04/2022	19/04/2023

NAAQS – National Ambient Air Quality Standards (2009)

BDL- Below detectable level

*M. N. G. Kulkarni*  
For HORIZON SERVICES



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## STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/22-23/09964
Dated	: 22/11/2022
Client	: M/s SHREE GURUDATTA SUGARS LTD., TAKALIVADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST -KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. HORIZON SERVICES

### RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	METHODS USED
01	DATE OF SAMPLING	DD/MM/YY	18/11/2022		
02	TEST LOCATION		Boiler Stack With Lime Stone		
03	TIME OF SAMPLING	Hrs	12:20		
04	MATERIAL OF STACK		--		
05	STACK HEIGHT	Mtr	--		
06	TYPE OF FUEL USED		--		
07	FUEL CONSUMPTION	MT/Hr	--		
08	TYPE OF STACK		Round		
09	FLUE GAS TEMPERATURE	Deg C	190		
10	VELOCITY	M/Sec	8.58		
11	DIAMETER OF STACK	M	4.1		
12	GAS VOLUME	Nm <sup>3</sup> /Hr	262271.29		
13	TPM	mg/Nm <sup>3</sup>	86.37	As per Consent	IS 11255 (Part 1)
14	SO <sub>2</sub>	Kg/Day	265.50	--	--
15	NO <sub>x</sub>	ppm	45.0	--	Flue Gas Analyser- based on manufacturer's Manual

Equipment Used: -1) Stack Monitoring Kit, Sr.No. 09/2018 (ETCL model)

Date of Calibration: -07/08/2022 Next Calibration due: - 06/08/2023

Gas Analyser - Sr. No. 60012564 (Seitron Make)

Date of Calibration: -14/09/2022 Next Calibration due: -13/09/2023

*M. N. A. G. S. S.*  
For HORIZON SERVICES





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### STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/22-23/010048A/4
Dated	: 23/11/2022
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	18/11/2022		
02	TEST LOCATION		Boiler 1 & 2 (Capacity-70 MT/Hr & 40 MT/Hr)		
03	TIME OF SAMPLING (00.00)	Hrs	10:00		
04	MATERIAL OF STACK		--		
05	STACK HEIGHT (AGL)	Mtr	65		
06	TYPE OF FUEL USED	--	Baggase		
07	FUEL CONSUMPTION	MT/Hr	55		
08	TYPE OF STACK		Round		
09	FLUE GAS TEMPERATURE	Deg C	134		
10	VELOCITY	M/Sec	7.7		
11	DIAMETER OF STACK	M	3.43		
12	GAS VOLUME	Nm <sup>3</sup> /Hr	189131.60		
13	PM	mg/Nm <sup>3</sup>	79.40	As per Consent	IS 11255 (Part 1)
14	SO <sub>2</sub>	Kg/Day	40.10	As per Consent	IS 11255 (Part 2)

#### Calibrations details: -

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
01	SMK/IT-01	TECH/CAL/2022/04.A/7	20/04/2022	19/04/2023

*m. n. g. k. r. a. i.*  
For HORIZON SERVICES



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### AMBIENT NOISE LEVEL MONITORING REPORT

Report No.	: HS/REP/22-23/010048A/5
Dated	: 23/11/2022
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES
Date of Sampling	: 18/11/2022

### RESULTS

SR. NO.	TEST LOCATION	UNIT	DAY TIME		NIGHT TIME	
			Time	Readings	Time	Readings
01	Near Main Gate	dB (A)	10:30 hrs.	71.0	22:30 hrs.	66.6
02	Near Boiler	dB (A)	10:40 hrs.	70.4	22:40 hrs.	66.3
03	Near ETP Area	dB (A)	10:50 hrs.	67.2	22:50 hrs.	63.7
04	Near Sugar Godown	dB (A)	11:00 hrs.	74.0	23:00 hrs.	69.1
05	Near Laboratory	dB (A)	11:10 hrs.	73.3	23:10 hrs.	68.0
06	Near Mill House	dB (A)	11:20 hrs.	72.5	23:20 hrs.	67.3
07	Near Pan Section	dB (A)	11:30 hrs.	73.9	23:30 hrs.	69.5
08	Near Sugar Plant	dB (A)	11:40 hrs.	72.4	23:40 hrs.	68.0
09	Near Weigh Bridge	dB (A)	11:50 hrs.	70.7	23:50 hrs.	67.4
10	Near Centrifugal	dB (A)	12:00 hrs.	72.0	24:00 hrs.	68.4

#### Calibrations details: -

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
01	Make- Mextech, SR.NO.-GE/DB-01, MODEL NO.-4201	TECH/CAL/2022/04.A/11	20/04/2022	19/04/2023

#### Limits:

≤75 dB (A) For Day Time  
≤70 dB (A) For Night Time

#### REMARK/OBSERVATIONS:

Noise levels limits are given as per Noise Pollution (Regulation & Control) Rules 2010.



For HORIZON SERVICES

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### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

<b>CLIENT'S NAME &amp; ADDRESS</b>	<b>REPORT NO</b>	HS/LAB/WA/10077A-1
M/s Shri Gurudatt Sugars Ltd., (Takaliwadi) Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	<b>REPORT DATE</b>	23/11/2022
	<b>LAB REFERENCE NO</b>	HS/LAB/WA/0898A
	<b>DATE OF SAMPLING</b>	18/11/2022
	<b>DATE OF ANALYSIS</b>	19/11/2022

<b>DETAILS OF SAMPLE</b>	<b>SAMPLE COLLECTED BY</b>	<b>NATURE</b>	<b>LOCATION</b>
Industrial Waste Water	M/s. Greensafe Enviro Services	Untreated	ETP

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	TEST METHOD
1	pH	---	4.50	APHA 23 <sup>rd</sup> Ed 2017, 4500-H <sup>+</sup> B
2	Total Suspended Solids	mg/lit	278.00	APHA 23 <sup>rd</sup> Ed 2017, 2540 D
3	Total Dissolved Solids	mg/lit	1962.00	APHA 23 <sup>rd</sup> Ed 2017, 2540 C
4	Chemical Oxygen Demand	mg/lit	3902.00	APHA 23 <sup>rd</sup> Ed 2017, 5220 C
5	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	1840.00	IS-3025 (Part 44) R-2003
6	Chlorides as Cl <sup>-</sup>	mg/lit	356.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 Cl <sup>-</sup> B
7	Sulphates as SO <sub>4</sub> --	mg/lit	664.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 SO <sub>4</sub> E
8	Oil & Grease	mg/lit	20.00	APHA 23 <sup>rd</sup> Ed 2017, 5520 B

For HORIZON SERVICES



*Pranav Kumar*  
(LAB INCHARGE)

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### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/10077A-2
M/s Shri Gurudatt Sugars Ltd., (Takaliwadi) Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	REPORT DATE	23/11/2022
	LAB REFERENCE NO	HS/LAB/WA/0898A
	DATE OF SAMPLING	18/11/2022
	DATE OF ANALYSIS	19/11/2022

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Industrial Waste Water	M/s. Greensafe Enviro Services	Treated	ETP

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	MPCB LIMITS	TEST METHOD
1	pH	---	7.30	5.5-9.0	APHA 23 <sup>rd</sup> Ed 2017, 4500-H <sup>+</sup> B
2	Total Suspended Solids	mg/lit	64.00	< 100.00	APHA 23 <sup>rd</sup> Ed 2017, 2540 D
3	Total Dissolved Solids	mg/lit	1824.00	< 2100.00	APHA 23 <sup>rd</sup> Ed 2017, 2540 C
4	Chemical Oxygen Demand	mg/lit	178.00	< 250.00	APHA 23 <sup>rd</sup> Ed 2017, 5220 C
5	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	48.00	< 100.00	IS-3025 (Part 44) R-2003
6	Chlorides as Cl <sup>-</sup>	mg/lit	342.00	< 600.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 Cl <sup>-</sup> B
7	Sulphates as SO <sub>4</sub> --	mg/lit	570.00	< 1000.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 SO <sub>4</sub> E
8	Oil & Grease	mg/lit	<5.00	< 10.00	APHA 23 <sup>rd</sup> Ed 2017, 5520 B



For HORIZON SERVICES

*managarkar*  
(LAB INCHARGE)

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### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

<b>CLIENT'S NAME &amp; ADDRESS</b>	<b>REPORT NO</b>	HS/LAB/WA/10077A-4
<b>M/s. Shri Gurudatt Sugars Ltd (Takaliwadi)</b> Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	<b>REPORT DATE</b>	23/11/2022
	<b>LAB REFERENCE NO</b>	HS/LAB/WA/0898A
	<b>DATE OF SAMPLING</b>	18/11/2022
	<b>DATE OF ANALYSIS</b>	19/11/2022

<b>DETAILS OF SAMPLE</b>	<b>SAMPLE COLLECTED BY</b>	<b>NATURE</b>	<b>LOCATION</b>
Soil Sample	M/s. Greensafe Enviro Services	---	Hegade

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	TEST METHOD
1	pH(10 % Extract)	---	7.10	IS 2720 (Part 26) 1987
2	Chlorides as Cl <sup>-</sup>	mg/kg	224.00	SOP No: WI/Lab/Soil/CA/13
3	Sulphates as SO <sub>4</sub> --	mg/kg	ABSENT	IS 2720 (Part 27)- 1977 (RA 2010)
4	Total Chromium as Cr	mg/kg	12.00	Ministry of Agriculture 2011
5	Total Nitrogen as N	mg/kg	142.00	IS 14684:1999
6	Phosphorus as P	mg/kg	ABSENT	HS/NABL/SOIL/8
7	Nickel as Ni	mg/kg	20.00	Ministry of Agriculture 2011
8	Cadmium as Cd	mg/kg	2.10	Ministry of Agriculture 2011
9	Copper as Cu	mg/kg	58.00	Ministry of Agriculture 2011
10	Zinc as Zn	mg/kg	28.00	HS/NABL/SOIL/11
11	Total Ammonia as N	mg/kg	ABSENT	Ministry of Agriculture 2011

For HORIZON SERVICES



*manoj kumar*  
(LAB INCHARGE)

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### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/10077A-3
M/s. Shri Gurudatt Sugars Ltd. (Takaliwadi) Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	REPORT DATE	23/11/2022
	LAB REFERENCE NO	HS/LAB/WA/0898A
	DATE OF SAMPLING	18/11/2022
	DATE OF ANALYSIS	19/11/2022

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Well Water Sample	M/s. Greensafe Enviro Services	---	Bhokare Well

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	LIMITS AS PER IS10500: 2018	TEST METHOD
01	pH	---	7.10	6.5 - 8.5	APHA 23 <sup>rd</sup> 2017, 4500-H+B
02	Electric Conductivity	µs/cm	154.00	Not Specified	APHA 23 <sup>rd</sup> 2017, 2510 B
03	Colour	Hazen	< 5.00	<5.00	APHA 23 <sup>rd</sup> 2017, 2120 C
04	Odour	---	Agreeable	Agreeable	APHA 23 <sup>rd</sup> 2017, 2150 B
05	Turbidity	NTU	< 1.00	<1.00	APHA 23 <sup>rd</sup> 2017, 2130 B
06	Total Dissolved Solids	mg/lit	122.00	<500.00	APHA 23 <sup>rd</sup> 2017, 2540 C
07	Chemical Oxygen Demand	mg/lit	4.00	Not Specified	APHA 23 <sup>rd</sup> 2017, 5220 C
08	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	2.00	Not Specified	IS 3025 (Part 44)- R-2003
09	Chlorides as Cl <sup>-</sup>	mg/lit	40.00	<250.00	APHA 23 <sup>rd</sup> 2017, 4500 Cl-B
10	Sulphates as SO <sub>4</sub> --	mg/lit	72.00	<200.00	APHA 23 <sup>rd</sup> 2017, 4500 SO <sub>4</sub> E
11	Alkalinity as CaCO <sub>3</sub>	mg/lit	46.00	<200.00	APHA 23 <sup>rd</sup> 2017, 2320 B
12	Calcium as Ca	mg/lit	28.00	<75.00	APHA 23 <sup>rd</sup> 2017, 3500 Ca B
13	Magnesium as Mg	mg/lit	22.00	<30.00	APHA 23 <sup>rd</sup> 2017, 3500 Mg B
14	Total Hardness as CaCO <sub>3</sub>	mg/lit	120.00	<200.00	APHA 23 <sup>rd</sup> 2017, 2340 C
15	Iron as Fe	mg/lit	0.10	<0.30	APHA 23 <sup>rd</sup> 2017, 3500 Fe B
16	Fluoride as F <sup>-</sup>	mg/lit	<0.10	<1.00	APHA 23 <sup>rd</sup> 2017, 4500-F- D
17	Sodium as Na	mg/lit	8.00	Not Specified	APHA 23 <sup>rd</sup> 2017, 3500 Na B

**REMARK:** As per IS 10500: 2018, above water sample is chemically & bacteriologically potable for drinking purpose, for the parameters tested.



For HORIZON SERVICES  
*M. N. G. B. K.*  
(LAB INCHARGE)

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Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202, 25460203. • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

### AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/22-23/13178A/1
Dated	: 19/01/2023
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

SR. NO.	TEST DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	11/01/2023		
02	TEST LOCATION		Near Factory Main Gate		
03	TIME OF SAMPLING	Hrs	09:05-17:05		
04	TEMPERATURE (Max./Min)	Deg C	32/20		
05	RELATIVE HUMIDITY	% RH	46		
06	SAMPLING DURATION	Hrs	8		
07	PM <sub>10</sub>	µg/m <sup>3</sup>	79.00	≤100	IS 5182(part 23),2006
08	PM <sub>2.5</sub>	µg/m <sup>3</sup>	37.00	≤60	CPCB Guidelines Volume – I Pg. No.15
09	SO <sub>2</sub>	µg/m <sup>3</sup>	7.40	≤80	IS 5182(part 2),2001, RA 2006
10	NO <sub>2</sub>	µg/m <sup>3</sup>	27.00	≤80	IS 5182(part 6),2006

#### Calibrations details: -

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
01	RDS/FM-01	TECH/CAL/2022/04.A/14	20/04/2022	19/04/2023
02	RDS/UM-01	TECH/CAL/2022/04.A/1	20/04/2022	19/04/2023

NAAQS – National Ambient Air Quality Standards (2009)

BDL- Below detectable level

For HORIZON SERVICES



Signature: *[Handwritten Signature]*  
Date: 10/02/23  
Received: *[Handwritten Signature]*

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### AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/22-23/13178A/2
Dated	: 19/01/2023
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

SR. NO.	TEST DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	11/01/2023		
02	TEST LOCATION		Near Weigh Bridge		
03	TIME OF SAMPLING	Hrs	09:15-17:15		
04	TEMPERATURE (Max./Min)	Deg C	32/20		
05	RELATIVE HUMIDITY	% RH	46		
06	SAMPLING DURATION	Hrs	8		
07	PM <sub>10</sub>	µg/m <sup>3</sup>	93.00	≤100	IS 5182(part 23),2006
08	PM <sub>2.5</sub>	µg/m <sup>3</sup>	52.00	≤60	CPCB Guidelines Volume - I Pg. No.15
09	SO <sub>2</sub>	µg/m <sup>3</sup>	8.00	≤80	IS 5182(part 2),2001, RA 2006
10	NO <sub>2</sub>	µg/m <sup>3</sup>	30.40	≤80	IS 5182(part 6),2006

#### Calibrations details: -

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
01	RDS/FM-02	TECH/CAL/2022/04.A/15	20/04/2022	19/04/2023
02	RDS/UM-02	TECH/CAL/2022/04.A/3	20/04/2022	19/04/2023

NAAQS – National Ambient Air Quality Standards (2009)

BDL- Below detectable level

*manoj kumar*  
For HORIZON SERVICES



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### AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/22-23/13178A/3
Dated	: 19/01/2023
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

### RESULTS

SR. NO.	TEST DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	11/01/2023		
02	TEST LOCATION		Near ETP		
03	TIME OF SAMPLING	Hrs	17:35-13:35		
04	TEMPERATURE (Max./Min)	Deg C	32/20		
05	RELATIVE HUMIDITY	% RH	46		
06	SAMPLING DURATION	Hrs	8		
07	PM <sub>10</sub>	µg/m <sup>3</sup>	71.00	≤100	IS 5182(part 23),2006
08	PM <sub>2.5</sub>	µg/m <sup>3</sup>	29.00	≤60	CPCB Guidelines Volume – I Pg. No.15
09	SO <sub>2</sub>	µg/m <sup>3</sup>	7.60	≤80	IS 5182(part 2),2001, RA 2006
10	NO <sub>2</sub>	µg/m <sup>3</sup>	27.40	≤80	IS 5182(part 6),2006

#### Calibrations details: -

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
1	RDS/FM-03	TECH/CAL/2022/04.A/16	20/04/2022	19/04/2023
2	RDS/UM-03	TECH/CAL/2022/04.A/5	20/04/2022	19/04/2023

NAAQS – National Ambient Air Quality Standards (2009)  
BDL- Below detectable level

*M. N. Agarwal*  
For HORIZON SERVICES



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**STACK EMISSION MONITORING REPORT**

Report No.	: HS/REP/22-23/13178A/4
Dated	: 19/01/2023
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

**RESULTS**

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	11/01/2023		
02	TEST LOCATION		Boiler 1 & 2 (Capacity-70 MT/Hr & 40 MT/Hr)		
03	TIME OF SAMPLING (00.00)	Hrs	09:00		
04	MATERIAL OF STACK		--		
05	STACK HEIGHT (AGL)	Mtr	65		
06	TYPE OF FUEL USED	--	Baggase		
07	FUEL CONSUMPTION	MT/Hr	55		
08	TYPE OF STACK		Round		
09	FLUE GAS TEMPERATURE	Deg C	149		
10	VELOCITY	M/Sec	7.8		
11	DIAMETER OF STACK	M	3.43		
12	GAS VOLUME	Nm <sup>3</sup> /Hr	183475.3		
13	PM	mg/Nm <sup>3</sup>	86.58	As per Consent	IS 11255 (Part 1)
14	SO <sub>2</sub>	Kg/Day	98.60	As per Consent	IS 11255 (Part 2)

**Calibrations details: -**

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
01	SMK/IT-01	TECH/CAL/2022/04.A/7	20/04/2022	19/04/2023

*m. nalgawala*  
For HORIZON SERVICES



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**STACK EMISSION MONITORING REPORT**

Report No.	: HS/REP/22-23/13178A/5
Dated	: 19/01/2023
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES

**RESULTS**

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	11/01/2023		
02	TEST LOCATION		Incinerator Boiler		
03	TIME OF SAMPLING (00.00)	Hrs	10:00		
04	MATERIAL OF STACK		--		
05	STACK HEIGHT	Mtr	82		
06	TYPE OF FUEL USED	--	Coal & Con. Spent Wash		
07	TYPE OF STACK		Round		
08	FLUE GAS TEMPERATURE	Deg C	186		
09	VELOCITY	M/Sec	8.65		
10	DIAMETER OF STACK	M	4.43		
11	GAS VOLUME	Nm <sup>3</sup> /Hr	311146.87		
12	PM	mg/Nm <sup>3</sup>	34.85	150	IS 11255 (Part 1)
13	SO <sub>2</sub>	Kg/Day	108.20	500	IS 11255 (Part 2)

**Calibrations details: -**

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
01	SMK/IT-01	TECH/CAL/2022/04.A/7	20/04/2022	19/04/2023

*mn ajevala*  
For HORIZON SERVICES



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### AMBIENT NOISE LEVEL MONITORING REPORT

Report No.	: HS/REP/22-23/13178A/6
Dated	: 19/01/2023
Client	: M/S SHRI GURUDATT SUGARS LTD., TAKALIWADI
Site	: GAT NO.61/A, AKIWAT TAKALIWADI ROAD, TAKALIWADI, TAL-SHIROL, DIST-KOLHAPUR, PIN- 416108.
Sample Collected by	: M/S. GREENSAFE ENVIRO SERVICES
Date of Sampling	: 11/01/2023

### RESULTS

SR. NO.	TEST LOCATION	UNIT	DAY TIME		NIGHT TIME	
			Time	Readings	Time	Readings
01	Near Main Gate	dB (A)	10:20 hrs.	72.0	22:20 hrs.	66.7
02	Near Boiler	dB (A)	10:30 hrs.	72.9	22:30 hrs.	66.0
03	Near ETP Area	dB (A)	10:40 hrs.	67.4	22:40 hrs.	63.9
04	Near Sugar Godown	dB (A)	10:50 hrs.	74.7	22:50 hrs.	68.6
05	Near Laboratory	dB (A)	11:00 hrs.	73.1	23:00 hrs.	68.4
06	Near Mill House	dB (A)	11:10 hrs.	72.5	23:10 hrs.	68.1
07	Near Pan Section	dB (A)	11:20 hrs.	73.6	23:20 hrs.	69.7
08	Near Sugar Plant	dB (A)	11:30 hrs.	71.9	23:30 hrs.	69.0
09	Near Weigh Bridge	dB (A)	11:40 hrs.	69.9	23:40 hrs.	67.6
10	Near Centrifugal	dB (A)	11:50 hrs.	72.5	23:50 hrs.	70.0

Calibrations details: -

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
01	Make- Mextech, SR.NO.-GE/DB-01, MODEL NO.-4201	TECH/CAL/2022/04.A/11	20/04/2022	19/04/2023

Limits:

≤75 dB (A) For Day Time

≤70 dB (A) For Night Time

### REMARK/OBSERVATIONS:

Noise levels limits are given as per Noise Pollution (Regulation & Control) Rules 2010.

*M. N. G. K.*  
For HORIZON SERVICES



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### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/13075A-2
M/s Shri Gurudatt Sugars Ltd., (Takaliwadi) Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	REPORT DATE	19/01/2023
	LAB REFERENCE NO	HS/LAB/WA/1109A
	DATE OF SAMPLING	11/01/2023
	DATE OF ANALYSIS	12/01/2023

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Industrial Waste Water	M/s. Greensafe Enviro Services	Treated	ETP

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	MPCB LIMITS	TEST METHOD
1	pH	---	7.10	5.5-9.0	APHA 23 <sup>rd</sup> Ed 2017, 4500-H <sup>+</sup> B
2	Total Suspended Solids	mg/lit	60.00	< 100.00	APHA 23 <sup>rd</sup> Ed 2017, 2540 D
3	Total Dissolved Solids	mg/lit	1784.00	< 2100.00	APHA 23 <sup>rd</sup> Ed 2017, 2540 C
4	Chemical Oxygen Demand	mg/lit	164.00	< 250.00	APHA 23 <sup>rd</sup> Ed 2017, 5220 C
5	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	44.00	< 100.00	IS-3025 (Part 44) R-2009
6	Chlorides as Cl <sup>-</sup>	mg/lit	338.00	< 600.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 Cl <sup>-</sup> B
7	Sulphates as SO <sub>4</sub> --	mg/lit	580.00	< 1000.00	APHA 23 <sup>rd</sup> 2017, 4500 SO <sub>4</sub> E
8	Oil & Grease	mg/lit	<5.00	< 10.00	APHA 23 <sup>rd</sup> Ed 2017, 5520 B



For HORIZON SERVICES

*M. N. Argal*  
(LAB INCHARGE)

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### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/13075A-1
M/s Shri Gurudatt Sugars Ltd., (Takaliwadi) Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	REPORT DATE	19/01/2023
	LAB REFERENCE NO	HS/LAB/WA/1109A
	DATE OF SAMPLING	11/01/2023
	DATE OF ANALYSIS	12/01/2023

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Industrial Waste Water	M/s. Greensafe Enviro Services	Untreated	ETP

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	TEST METHOD
1	pH	---	4.70	APHA 23 <sup>rd</sup> Ed 2017, 4500-H <sup>+</sup> B
2	Total Suspended Solids	mg/lit	286.00	APHA 23 <sup>rd</sup> Ed 2017, 2540 D
3	Total Dissolved Solids	mg/lit	1978.00	APHA 23 <sup>rd</sup> Ed 2017, 2540 C
4	Chemical Oxygen Demand	mg/lit	3924.00	APHA 23 <sup>rd</sup> Ed 2017, 5220 C
5	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	1854.00	IS-3025 (Part 44) R-2009
6	Chlorides as Cl <sup>-</sup>	mg/lit	364.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 Cl <sup>-</sup> B
7	Sulphates as SO <sub>4</sub> --	mg/lit	688.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 SO <sub>4</sub> E
8	Oil & Grease	mg/lit	16.00	APHA 23 <sup>rd</sup> Ed 2017, 5520 B



For HORIZON SERVICES

*pxn agolka*  
(LAB INCHARGE)

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### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/13075A-4
M/s Shri Gurudatt Sugars Ltd., (Takaliwadi) Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	REPORT DATE	19/01/2023
	LAB REFERENCE NO	HS/LAB/WA/1109A
	DATE OF SAMPLING	11/01/2023
	DATE OF ANALYSIS	12/01/2023

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Soil Sample	M/s. Greensafe Enviro Services	---	Pranav Mane-Takali

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	TEST METHOD
1	pH(10 % Extract)	---	7.00	IS 2720 (Part 26) 1987
2	Chlorides as Cl <sup>-</sup>	mg/kg	224.00	SOP No: WI/Lab/Soil/CA/13
3	Sulphates as SO <sub>4</sub> --	mg/kg	ABSENT	IS 2720 (Part 27)- 1977 (RA 2010)
4	Total Chromium as Cr	mg/kg	8.00	Ministry of Agriculture 2011
5	Total Nitrogen as N	mg/kg	134.00	IS 14684:1999
6	Phosphorus as P	mg/kg	ABSENT	HS/NABL/SOIL/8
7	Nickel as Ni	mg/kg	20.00	Ministry of Agriculture 2011
8	Cadmium as Cd	mg/kg	1.40	Ministry of Agriculture 2011
9	Copper as Cu	mg/kg	48.00	Ministry of Agriculture 2011
10	Zinc as Zn	mg/kg	32.00	HS/NABL/SOIL/11
11	Total Ammonia as N	mg/kg	ABSENT	Ministry of Agriculture 2011

For HORIZON SERVICES



*managalkar*  
(LAB INCHARGE)

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### ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/13075A-3
M/s Shri Gurudatt Sugars Ltd., (Takaliwadi) Gat No.61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal-Shirol, Dist -Kolhapur, Pin- 416108.	REPORT DATE	19/01/2023
	LAB REFERENCE NO	HS/LAB/WA/1109A
	DATE OF SAMPLING	11/01/2023
	DATE OF ANALYSIS	12/01/2023

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Well Water Sample	M/s. Greensafe Enviro Services	---	Pandurang Koli- Takali, Near Distillery

### RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	LIMITS AS PER IS10500: 2018	TEST METHOD
01	pH	---	7.30	6.5 - 8.5	APHA 23 <sup>rd</sup> 2017, 4500-H+B
02	Electric Conductivity	µs/cm	138.00	Not Specified	APHA 23 <sup>rd</sup> 2017, 2510 B
03	Colour	Hazen	<5.00	<5.00	APHA 23 <sup>rd</sup> 2017, 2120 C
04	Odour	---	Agreeable	Agreeable	APHA 23 <sup>rd</sup> 2017, 2150 B
05	Turbidity	NTU	<1.00	<1.00	APHA 23 <sup>rd</sup> 2017, 2130 B
06	Total Dissolved Solids	mg/lit	116.00	<500.00	APHA 23 <sup>rd</sup> 2017, 2540 C
07	Chemical Oxygen Demand	mg/lit	2.00	Not Specified	APHA 23 <sup>rd</sup> 2017, 5220 C
08	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	1.00	Not Specified	IS 3025 (Part 44)- R-2003
09	Chlorides as Cl <sup>-</sup>	mg/lit	34.00	<250.00	APHA 23 <sup>rd</sup> 2017, 4500 Cl-B
10	Sulphates as SO <sub>4</sub> <sup>--</sup>	mg/lit	64.00	<200.00	APHA 23 <sup>rd</sup> 2017, 4500 SO4 E
11	Alkalinity as CaCO <sub>3</sub>	mg/lit	42.00	<200.00	APHA 23 <sup>rd</sup> 2017, 2320 B
12	Calcium as Ca	mg/lit	24.00	<75.00	APHA 23 <sup>rd</sup> 2017, 3500 Ca B
13	Magnesium as Mg	mg/lit	18.00	<30.00	APHA 23 <sup>rd</sup> 2017, 3500 Mg B
14	Total Hardness as CaCO <sub>3</sub>	mg/lit	102.00	<200.00	APHA 23 <sup>rd</sup> 2017, 2340 C
15	Iron as Fe	mg/lit	0.10	<0.30	APHA 23 <sup>rd</sup> 2017, 3500 Fe B
16	Fluoride as F <sup>-</sup>	mg/lit	<0.20	<1.00	APHA 23 <sup>rd</sup> 2017, 4500-F- D
17	Sodium as Na	mg/lit	4.00	Not Specified	APHA 23 <sup>rd</sup> 2017, 3500 Na B

**REMARK:** As per IS 10500: 2018, above water sample is chemically & bacteriologically potable for drinking purpose, for the parameters tested.



For HORIZON SERVICES  
*M. N. G. G. G.*  
(LAB INCHARGE)

#### DISCLAIMER:

- Sample will be retained only for 15 days.
- Above results indicate to the parameters mentioned only.
- Liability limited till issue of test reports only.
- The test report shall not be produced for any legal identity or advertised without permission of lab.
- The effect of results relate only to the item tested.





# SHRI GURUDATT SUGARS LTD., Takaliwadi

ADD.: Gat No. : 61 / A, Akiwat Takaliwadi Road, Takaliwadi Tal.- Shirol Dist - Kolhapur (MH) Pin Code : 416 108  
PHONE : +91 231 2686086 | FAX : +91 231 2686000 | WEBSITE : www.sgsl.co.in | Email : gslsugars@gmail.com

SGSL/ 18 /2019-2020

Date – June 12, 2019

To,  
The Regional Officer,  
Ministry of Environment, Forest & Climate Change,  
Regional office (WCZ), Ground Floor, East Wing,  
New Secretariat Building, Civil Lines, Nagpur.  
Tel No. 0712 – 2531318  
Email: [moefregionalofficenagpur@gmail.com](mailto:moefregionalofficenagpur@gmail.com)

Sub: Submission of Environmental Clearance copy for Shri Gurudatt Sugars Ltd., Gat No. 61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal – Shirol, Dist – Kolhapur, Maharashtra – 416108

Ref: MOEF Letter No. F. No. J-11011/41/2015-IA-II(I) Date – 07.06.2019.

Dear Sir,

With reference to the abovementioned subject, we are submitting here with Environmental Clearance Copy of Sugar 4900 TCD to 13000 TCD, Cogeneration 21 MW to 90 MW, Distillery 150 KLPD & Refine Sugar 1755 TCD at Gat No. 61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal – Shirol, Dist – Kolhapur, Maharashtra – 416108 received from Ministry of Environment, Forest and Climate Change, New Delhi.


This is for your information.

Thanking You

Yours Faithfully,

FOR, SHRI GURUDATT SUGARS LTD.,

  
Executive Director

 Enclosed – Enclosed above with copy of EC

C.C to: 1. The Regional officer, MPC Board, Kolhapur.  
2. The Sub - Regional officer, MPC Board, Kolhapur.

Received  
13/06/2019  
REGIONAL OFFICE I  
M. P. C. BOARD  
DR. YOG BHAVAN  
3RD FLOOR NEAR COLLECTOR OFFICE  
KOLHAPUR-416008



Regd. No. 25-14367, CIN-UI5424PN2000PLC014367

An ISO 9001 : 2008 Certified Company

# SHRI GURUDATT SUGARS LTD., Takaliwadi

I ADD.: Gat No. : 61 / A, Akiwat Takaliwadi Road, Takaliwadi Tal.- Shirol Dist - Kolhapur (MH) Pin Code : 416 108  
I PHONE : +91 231 2686086 I FAX : +91 231 2686000 I WEBSITE : www.sgsl.co.in I Email : gslsugars@gmail.com

SGSL/ 183 /2019-2020

Date – June 12, 2019

To,  
The Chief Executive Officer so,  
Zilha Parishad Office, Nagala Park,  
Kolhapur.

Sub: Submission of Environmental Clearance copy for Shri Gurudatt Sugars Ltd., Gat No. 61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal – Shirol, Dist – Kolhapur, Maharashtra – 416108

Ref: MOEF Letter No. F. No. J-11011/41/2015-IA-II(I) Date – 07.06.2019.

Dear Sir,

With reference to the abovementioned subject, we are submitting here with Environmental Clearance Copy of Sugar 4900 TCD to 13000 TCD, Cogeneration 21 MW to 90 MW, Distillery 150 KLPD & Refine Sugar 1755 TCD at Gat No. 61/A, Akiwat Takaliwadi Road, Takaliwadi, Tal – Shirol, Dist – Kolhapur, Maharashtra – 416108 received from Ministry of Environment, Forest and Climate Change, New Delhi.

This is for your information.

Thanking You

Yours Faithfully,

FOR, SHRI GURUDATT SUGARS LTD.,

Executive Director

Enclosed – Enclosed above with copy of EC

9/8/19  
लेखनिक  
मुख्य कार्यकारी अधिकारी  
जिल्हा परिषद, कोल्हापूर





Regd. No. 25-14367, CIN-UI5424PN2000PLC014367

An ISO 9001 : 2008 Certified Company

# SHRI GURUDATT SUGARS LTD., Takaliwadi

| ADD.: Gat No. : 61 / A, Akiwat Takaliwadi Road, Takaliwadi Tal.- Shirol Dist - Kolhapur (MH) Pin Code : 416 108  
| PHONE : +91 231 2686086 | FAX : +91 231 2686000 | WEBSITE : www.sgsl.co.in | Email : gslsugars@gmail.com

SGSL/182/2019-20.

Date- 12/06/2019.

प्रति,  
मा.सरपंच / ग्रामविकास अधिकारी,  
मु.पो.टाकळीवाडी, ता. शिरोळ,  
जि. कोल्हापूर.

**विषय :- इनव्हायमेंटल क्लीअरन्सबाबत (ई.सी) बाबत..**

**संदर्भ :-** पर्यावरण मंत्रालय, नवी दिल्ली यांचे पत्र क्र. F.No.J-११०११/४१/२०१५-IA-II (I)  
दिनांक- ०७.०६.२०१९.

महोदय,

आमचे श्री गुरुदत्त शुगर्स लि., टाकळीवाडी या कारखान्याच्या सध्या असलेल्या गाळप क्षमता ६००० मे.टन. प्रतिदिन ते १३००० मे.टन. प्रतिदिन, सहवीजनिर्मिती प्रकल्प २१ मेगावॅट ते ९० मेगावॅट प्रतिदिन, तसेच नवीन आसवनी प्रकल्प १५० KLPD व शुध्द साखर १७५५ टन प्रतिदिन यांस Ministry of Environment, Forest and Climate Change, New Delhi यांचेकडुन संदर्भिय पत्रान्वये मान्यता मिळाली आहे. आपल्या माहितीसाठी सविनय सादर.

आपला विश्वासू,

व्यवस्थापकीय संचालक  
श्री गुरुदत्त शुगर्स लि. टाकळीवाडी.

सोबत :- संदर्भिय मंजूरीपत्र जोडत आहे.

प्रर मिळाली  
१२/०६/१९  
ग्रामपंचायत, टाकळीवाडी,  
ता. शिरोळ, जि. कोल्हापूर.

खंडूता पेपर दिनांक: १४/०६/२०१९

## जाहीर नोटीस

### श्री. गुरुदत्त शुगर्स लिमिटेड, टाकळीवाडी पर्यावरण विषयक अनुमती

श्री. गुरुदत्त शुगर्स लिमिटेड, गट नं ६१/अ, अकिवाट-  
टाकळीवाडी रोड, टाकळीवाडी, ता. शिरोळ, जि. कोल्हापूर,  
४१६१०८ तर्फे कळविण्यात येते की, आमच्या कारखान्यामध्ये  
गाळप क्षमता ६००० TCD ते १३००० TCD,  
सहविजनिर्मिती प्रकल्प २१ MW ते ९० MW, आसुवनी  
प्रकल्प १५० KLPD व शुध्द साखर १७५५ टन प्रति दिवस,  
वाढीव व नवीन प्रकल्पास भारत सरकारचे पर्यावरण वनविभाग  
व हवामान बदल मंत्रालय, नवी दिल्ली कडील पत्र संदर्भ  
F.No. J-११०११/४१/२०१५/A-I (I) दिनांक  
०७/०६/२०१९ ने नवीन व विस्तारीकरण प्रकल्पास अनुमती  
मिळाली आहे.

श्री. माधवराव भगवानराव जाटगे

चेअरमन व कार्यकारी संचालक

श्री. गुरुदत्त शुगर्स, टाकळीवाडी.



**PUBLIC NOTICE**

**To whomsoever it may concern**

This is to inform to the public that Shri Gurudatt Sugars Ltd., Gat no. 61/A, Akiwat - Takaliwadi Road, Takaliwadi, Tal- Shirol, Dist - Kolhapur - 416 108 Maharashtra has been granted Environmental clearance for their proposed expansion & new project of Sugar Plant 6000 TCD to 13000 TCD, Co-generation 21 MW to 90 MW, distillery 150 KLPD & Refine Sugar 1755 TCD vide letter No. F. No. J-11011/41/2015-IA-II(I) dt. 07-06-2019.

The copy of same can be viewed at website of Ministry of Envirment and Forest and Climate Change of <http://moef.gov.in>

**Shri. Madhavrao B. Ghatage**  
Chairman and Managing Director

 **MME TECHNOLOGY DEVELOPMENT CENTER/ODDCA**

**The Indian EXPRESS** Sun, 16 June 2019  
epaper editions [epaper.indianexpress.com/](http://epaper.indianexpress.com/) 



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TO THE ARCHITECT.

[illegible]

CLIENT	CONT.	OFFICE	OTHERS	NO.	DATE
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[illegible]

10. *Journal of the American Medical Association*, 2000; 283: 2686-2692.

[illegible]

10. *Journal of the American Medical Association*, 2000; 283: 2686-2692.

10. *Journal of the American Medical Association*, 2000; 283: 2686-2692.

TEL - 0231-3059450 CELL - 9890115549

JOB SHRI GURUDATTA

10. *Journal of the American Medical Association*, 2000; 283: 2686-2692.

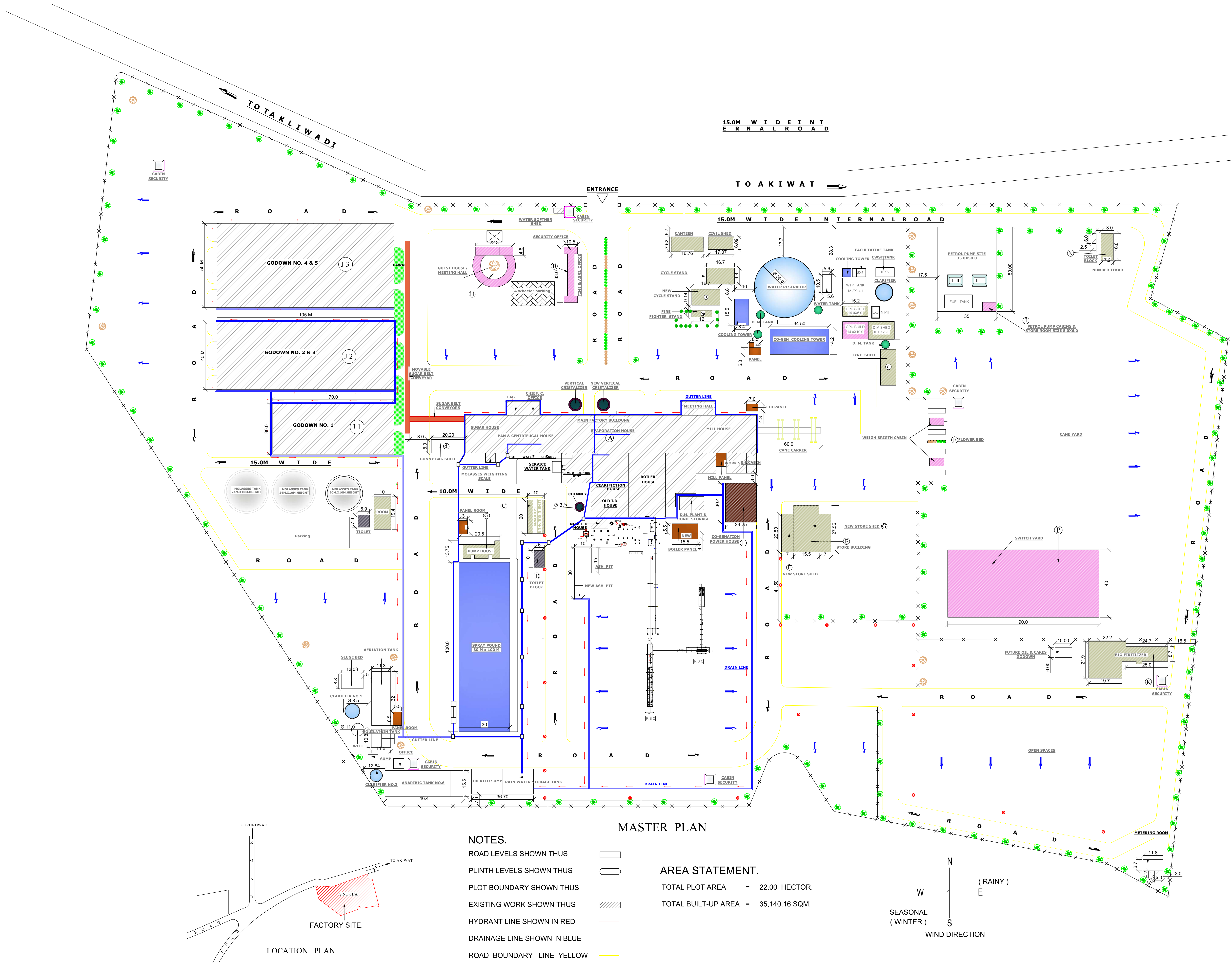
10. *Journal of the American Medical Association*, 2000; 283: 2686-2692.


## MASTED PLAN

10. *Journal of the American Medical Association*, 2000; 284: 1039-1044.



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# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2025

### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000077486

### Submitted Date

11-04-2025

## PART A

### Company Information

#### Company Name

Shri Gurudatt Sugars Ltd.,

#### Application UAN number

MPCB-CONSENT-0000139916

#### Address

Gat No - 61/A, A/p - Takaliwadi

#### Plot no

Gat No 61/A

#### Taluka

Shirol

#### Village

Akiwat -Takaliwadi Road

#### Capital Investment (In lakhs)

28135.00

#### Scale

L.S.I

#### City

Kolhapur

#### Pincode

416108

#### Person Name

Mr Rahul M Ghatage

#### Designation

Executive Directors

#### Telephone Number

7350010520

#### Fax Number

02312686086

#### Email

gslsugars.env@gmail.com

#### Region

SRO-Kolhapur

#### Industry Category

Red

#### Industry Type

R60 Distillery ( molasses / grain /yeast based)

#### Last Environmental statement submitted online

yes

#### Consent Number

MPCB-CONSENT-0000139916

#### Consent Issue Date

2024-12-03

#### Consent Valid Upto

2025-08-31

#### Establishment Year

2019

#### Date of last environment statement submitted

Apr 6 2024 12:00:00:000AM

#### Industry Category Primary (STC Code) & Secondary (STC Code)

### Product Information

#### Product Name

RECTIFIED SPIRIT (CAPTIVE)/ DENATURED SPIRIT (CAPTIVE)

#### Consent Quantity

81000

#### Actual Quantity

0

#### UOM

KL/A

EXTRA NEUTRAL ALCOHOL

50220

1498.314

KL/A

IMPURE SPIRIT/TECHNICAL ALCOHOL

5670

0

KL/A

FUSEL OIL

4050

0

KL/A

Ethanol

76950

33743.803

KL/A

ELECTRICITY

5.5

4.2

Mwh

### By-product Information

#### By Product Name

#### Consent Quantity

#### Actual Quantity

#### UOM

## Part-B (Water & Raw Material Consumption)

### 1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
	72.00	69.00
Cooling	1350.00	1260.53
Domestic	1.00	0.80
All others	0.00	0.00
<b>Total</b>	<b>1423.00</b>	<b>1330.33</b>

### 2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Daily Quantity of Trade Effluent from the Factory	1200	1032.64	CMD

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Distillery including Fermentation Industry	1.12	5.32	Ton/Ton
Distillery including Fermentation Industry	0	1.2	Ton/Ton
Distillery including Fermentation Industry	6.81	6.94	Ton/Ton
Distillery including Fermentation Industry	0	0.3	Ton/Ton
Distillery including Fermentation Industry	0	0.01	Ton/Ton
Distillery including Fermentation Industry	3.7	3.71	Mwh

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Molasse	38406.36	31252	MT/A
B Heavy Molasses	115154	104234	MT/A
Sugar Cane Juice Syrup	6789	0	MT/A
Consumable Chemicals (Caustic Soda)	2021	1992	MT/A
Consumable Chemicals (Antifoam)	1492	1353	MT/A

### 4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
--NA--	300	278	CMD
Coal	18250	2031.54	MT/A

## Part-C

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

#### [A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons
-------------------	--	--	--



	Quantity	Concentration	%variation	Standard	Reason
PH	14.92	0	0	0	0

#### [B] Air (Stack)

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/NM3)</b>	<b>Percentage of variation from prescribed standards with reasons</b>		
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>	<b>Standard</b>	<b>Reason</b>
Total Particulate Matter	543.12	33.30	0	0	0

## Part-D

### HAZARDOUS WASTES

#### 1) From Process

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
5.1 Used or spent oil	12	70	Ltr/A

#### 2) From Pollution Control Facilities

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
5.1 Used or spent oil	12	70	Ltr/A

## Part-E

### SOLID WASTES

#### 1) From Process

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
Boiler Ash	3398	3031	MT/A

#### 2) From Pollution Control Facilities

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
Boiler Ash	3398	3031	MT/A

#### 3) Quantity Recycled or Re-utilized within the unit

<b>Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
20.3 Distillation residues	8.42	7.91	MT/A

## Part-F

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

#### 1) Hazardous Waste

<b>Type of Hazardous Waste Generated</b>	<b>Qty of Hazardous Waste</b>	<b>UOM</b>	<b>Concentration of Hazardous Waste</b>
NA	0	Kg/Annum	0

#### 2) Solid Waste

<b>Type of Solid Waste Generated</b>	<b>Qty of Solid Waste</b>	<b>UOM</b>	<b>Concentration of Solid Waste</b>
NA	0	Kg/Annum	0

## Part-G

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

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
The 100% treated water from E.T.P. is recycled for Distillery Cooling tower and Fermentation make up purpose.	528	152	142	5.1	6.22	27

Part-H

<u>Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.</u>		
<u>[A] Investment made during the period of Environmental Statement</u>		
Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Good House Keeping kept in a mfg plant as well as ETP massive tree plantation done on available land.	Tree Plantation (Quantity 500 Nos)	2.5

<u>[B] Investment Proposed for next Year</u>		
Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Good House Keeping kept in a mfg plant as well as ETP massive tree plantation done on available land.	Tree Plantation (Quantity 500 Nos)	3

Part-I

Any other particulars for improving the quality of the environment.

<u>Particulars</u>
We have planted about 1000 Nos plants around the Distillery for develop green belt around the premises. We are proposed to plant various type of tree in this year also.
<u>Name &amp; Designation</u>
Mr. Atul Pawar - Chief Executive Officer
<u>UAN No:</u>
MPCB-ENVIRONMENT_STATEMENT-0000077486
<u>Submitted On:</u>
11-04-2025



**FORM 7**

( See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

**SHRI GURUDATT SUGARS LIMITED**

**( Health Register )**

**( In respect of persons employed in occupations declared to be dangerous operations under sections 87 )**

**CERTIFYING SURGEON**

**DR. ARVIND MANE**

**MBBS DPH AFIH.(MUMBAI)**

**DSD Security**

**From: { 12-01-24 To 11-01-25 }**

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth -day)	Dept. of employment of present work	Date of Leaving or Transfer to Other	Reason For Leaving Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of certifying surgeon	unfitness or suspension issued to	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
1	100	Bharat B. Jadhav	Male	57	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
2	14001	Sham S. Patil	Male	42	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
3	14005	Sumit Bandu Khot	Male	23	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
4	14006	Siddharath K. Kamble	Male	35	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
5	14007	Yogesh S. Dharangutte	Male	27	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
6	14008	Nitin G. Madhale	Male	36	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
7	14010	Pramod Y. Kadam	Male	43	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
8	14014	Shubham Narayan Gaikwad	Male	26	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
9	14016	Prakash Ramu Repe	Male	39	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
10	14017	Prakash A. Gaykwad	Male	28	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
11	14018	Avadhut S. Jagtap	Male	52	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
12	14019	Rushikesh Balasaheb Thorat	Male	25	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
13	14021	Sagar R. Apraj	Male	30	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
14	14022	Chidanand R. Dharangutte	Male	24	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
15	14023	Shivram E. Kamble	Male	41	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
16	14024	Shashidhar Kamble	Male	40	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
17	14025	Vinod R. Kadam	Male	44	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
18	14026	Sanjay S. Patil	Male	49	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
19	14027	Shahir S. Chavare	Male	59	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
20	14028	Swapnil B. Mohite	Male	27	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
21	14029	Prabhakar A. Aadake	Male	36	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
22	-	Sambhaji A. Pujari	Male	45	Security	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	

  
 कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे  
 कोल्हापूर जिल्हाकरिता  
 प्राधिकृत प्रमाणकशल्यधिकृत  
 क्र. ACS 15-AM/2016

## FORM 7


( See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII &amp; XX to Rule 114)

**SHRI GURUDATT SUGARS LIMITED****( Health Register )****( In respect of persons employed in occupations declared to be dangerous operations under sections 87 )****CERTIFYING SURGEON****DR. ARVIND MANE****MBBS DPH AFH.(MUMBAI)**

Nirmal Jyot

From: { 12-01-24 To 11-01-25 }

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth -day)	Dept. of employment of present work	Date of Leaving or Transfer to Other	Reason For Leaving Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of certifying surgeon	unfitness or suspension issued to	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
1	10015	Vinayak K. Ghatage	Male	37	Agriculture	NA	NA			13-01-24	FIT	NA	NA	NA	
2	16001	Vijay M. Patil	Male	30	ETP	NA	NA			13-01-24	FIT	NA	NA	NA	
3	16002	Amin D. Mulla	Male	30	Store	NA	NA			13-01-24	FIT	NA	NA	NA	
4	16003	Dipak S. Badame	Male	31	Manufacturing	NA	NA			13-01-24	FIT	NA	NA	NA	
5	16005	Pravin P. Kamble	Male	29	ETP	NA	NA			13-01-24	FIT	NA	NA	NA	
6	16007	Mahesh G. Kamble	Male	32	WTP	NA	NA			13-01-24	FIT	NA	NA	NA	
7	16009	Appaso D. Khot	Male	33	Store	NA	NA			13-01-24	FIT	NA	NA	NA	
8	16009	Babaso A. Kumbhar	Male	30	WTP	NA	NA			13-01-24	FIT	NA	NA	NA	
9	16012	Anil G. Patil	Male	37	Caneyard	NA	NA			13-01-24	FIT	NA	NA	NA	
10	16013	Ramesh B. Jadhav	Male	43	Caneyard	NA	NA			13-01-24	FIT	NA	NA	NA	
11	16017	Atul S. Chudumunge	Male	31	Agriculture	NA	NA			13-01-24	FIT	NA	NA	NA	
12	16019	Vinod B. Sokande	Male	31	Agriculture	NA	NA			13-01-24	FIT	NA	NA	NA	
13	16020	Pandurang R. Dhangar	Male	45	Caneyard	NA	NA			13-01-24	FIT	NA	NA	NA	
14	16021	Namdev K. Nirmale	Male	36	WTP	NA	NA			13-01-24	FIT	NA	NA	NA	
15	16022	Dadaso Babaso Bhamane	Male	30	Co-Generation	NA	NA			13-01-24	FIT	NA	NA	NA	
16	16023	Santosh N. Kamble	Male	31	Electrician	NA	NA			13-01-24	FIT	NA	NA	NA	
17	16025	Chandrakant P. Biranage	Male	34	Engineering	NA	NA			13-01-24	FIT	NA	NA	NA	
18	16026	Rohit M. Patil	Male	27	ETP	NA	NA			13-01-24	FIT	NA	NA	NA	
19	16027	Vaibhav B. Yedake	Male	29	WTP	NA	NA			13-01-24	FIT	NA	NA	NA	
20	16031	Ajit S. Patil	Male	34	Electrician	NA	NA			13-01-24	FIT	NA	NA	NA	
21	16032	Balaso Lahu Kamble	Male	27	WTP	NA	NA			13-01-24	FIT	NA	NA	NA	
22	16033	Shubham A. Patil	Male	24	WTP	NA	NA			13-01-24	FIT	NA	NA	NA	
23	16034	Prajyot M. Ingale	Male	34	Caneyard	NA	NA			13-01-24	FIT	NA	NA	NA	
24	16035	Shrimant B. Latkar	Male	33	Caneyard	NA	NA			13-01-24	FIT	NA	NA	NA	
25	16036	Santosh Vasant Kumbhar	Male	35	Engineering	NA	NA			13-01-24	FIT	NA	NA	NA	
26	16037	Rahul Tanaji Kumbhar	Male	30	Juss	NA	NA			13-01-24	FIT	NA	NA	NA	
27	16038	Yuvraj A. Mane	Male	37	Engineering	NA	NA			13-01-24	FIT	NA	NA	NA	

  
 कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे  
 कोल्हापूर जिल्हाकरिता  
 प्राधिकृत प्रमाणकशल्यधिकारिता  
 क्र. ACS 15-AM/2016



FORM 7

( See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

SHRI GURUDATT SUGARS LIMITED

( Health Register )

( In respect of persons employed in occupations declared to be dangerous operations under sections 87 )

CERTIFYING SURGEON

DR. ARVIND MANE

MBBS DPH AFIH.(MUMBAI)

Nirmal Jyot

From: { 12-01-24 To 11-01-25 }

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth -day)	Dept. of employment of present work	Date of Leaving or Transfer to Other	Reason For Leaving Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of certifying surgeon	unfitness or suspension issued to	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
28	16039	Sachin V. Kumbhar	Male	38	Engineering	NA	NA			13-01-24	FIT	NA	NA	NA	
29	16041	Appaso P. Narute	Male	38	Engineering	NA	NA			13-01-24	FIT	NA	NA	NA	
30	16043	Sagar A. Mali	Male	35	Caneyard	NA	NA			13-01-24	FIT	NA	NA	NA	
31	16044	Satish N. Gaykwad	Male	29	Caneyard	NA	NA			13-01-24	FIT	NA	NA	NA	
32	16045	Nikhil P. Patil	Male	29	Caneyard	NA	NA			13-01-24	FIT	NA	NA	NA	
33	16046	Chandrakant V. Magdum	Male	42	Caneyard	NA	NA			13-01-24	FIT	NA	NA	NA	
34	16048	Sushant P. Kosti	Male	27	WTP	NA	NA			13-01-24	FIT	NA	NA	NA	
35	16054	Machindranath A. Davari	Male	53	WTP	NA	NA			13-01-24	FIT	NA	NA	NA	
36	16055	Amar Ashok Korale	Male	36	Caneyard	NA	NA			13-01-24	FIT	NA	NA	NA	
37	-	Vishal Ravasaheb Bage	Male	27	HR	NA	NA			13-01-24	FIT	NA	NA	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे  
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क्र. ACS 15-AM/2016

## FORM 7

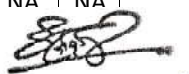
( See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII &amp; XX to Rule 114)

**SHRI GURUDATT SUGARS LIMITED****( Health Register )****( In respect of persons employed in occupations declared to be dangerous operations under sections 87 )****CERTIFYING SURGEON****DR. ARVIND MANE****MBBS DPH AFIH.(MUMBAI)**

Pramutech Services Ltd.

From: { 12-01-24 To 11-01-25 }

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth -day)	Dept. of employment of present work	Date of Leaving or Transfer to Other	Reason For Leaving Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of certifying surgeon	unfitness or suspension issued to	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
1	1106	Rakesh R. Savadatti	Male	26	Co-Generation	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
2	11006	Kapil S. Gidd	Male	32	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
3	11007	Tejas P. Patil	Male	27	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
4	11009	Ramesh R. Kadam	Male	41	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
5	11012	Satish N. Patil	Male	40	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
6	11014	Gangadhar R. Bhosale	Male	30	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
7	11019	Pravin B. Mali	Male	31	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
8	11020	Manjunath S. Patil	Male	31	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
9	11021	Adinath M. Nirmale	Male	26	D.E.	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
10	11022	Farukh M. Khan Mokashi	Male	37	Electrician	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
11	11023	Pravin P. Patil	Male	0	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
12	11024	Kadagouda B. Patil	Male	44	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
13	11027	Ajitsinh B. Padaval	Male	31	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
14	11033	Ganesh V. Khot	Male	23	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
15	11042	Sakul S. Latakar	Male	27	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
16	11044	Vipul A. Patil	Male	29	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
17	11049	Ravikiran E. Dhavale	Male	44	Co-Generation	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
18	11051	Sourabh S. Gaukude	Male	25	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
19	11054	Amol V. Jagtap	Male	40	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
20	11055	Shivanand S. Langre	Male	26	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
21	11056	Amol S. Patil	Male	27	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
22	11057	Sourabh M. Kakade	Male	27	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
23	11059	Umesh M. Kagale	Male	36	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
24	11061	Ranjit S. Patil	Male	27	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
25	11063	Kashinath D. Goundi	Male	31	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
26	11065	Sunil S. Sajane	Male	34	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
27	11065	Prasad A. Kumbhar	Male	37	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	

  
 कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे  
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 प्राधिकृत प्रमाणकशल्यधिकारिता  
 क्र. ACS 15-AM/2016

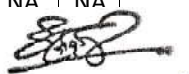


## FORM 7

( See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII &amp; XX to Rule 114)

**SHRI GURUDATT SUGARS LIMITED****( Health Register )****( In respect of persons employed in occupations declared to be dangerous operations under sections 87 )****CERTIFYING SURGEON****DR. ARVIND MANE****MBBS DPH AFIH.(MUMBAI)****Pramutech Services Ltd.****From: { 12-01-24 To 11-01-25 }**

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth -day)	Dept. of employment of present work	Date of Leaving or Transfer to Other	Reason For Leaving Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of certifying surgeon	unfitness or suspension issued to	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
28	11066	Raghavendra D. Shamannavar	Male	34	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
29	11067	Arjun S. Pujari	Male	27	Co-Generation	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
30	11068	Kiran S. Mandeshi	Male	34	WTP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
31	11069	Pravin R. Jadhav	Male	32	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
32	11070	Ananda B. Unhale	Male	32	WTP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
33	11073	Pravin S. Thakur	Male	38	WTP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
34	11074	Dhareppa G. Mane	Male	25	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
35	11075	Pradeep G. Mali	Male	37	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
36	11078	Vijay Raj A. Dudhale	Male	28	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
37	11079	Sunil P. Mhajshale	Male	37	WTP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
38	11081	Sourabh R. Nandane	Male	24	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
39	11084	Appanagouda B. Patil	Male	26	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
40	11084	Jagannath D. Chavan	Male	30	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
41	11088	Kiran R. Latte	Male	24	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
42	11090	Sourabh S. Mane	Male	24	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
43	11091	Akshay Kumar S. Gaikwad	Male	28	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
44	11092	Sagar S. Zanje	Male	27	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
45	11093	Suraj S. Patil	Male	25	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
46	11094	Akash A. Powar	Male	24	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
47	11095	Anand Shankar Naik	Male	31	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
48	11097	Shivshant S. Waghmare	Male	28	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
49	11100	Amol S. Kachare	Male	44	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
50	11101	Ganesh S. Patil	Male	28	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
51	11102	Mahesh B. Kattikar	Male	29	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
52	11104	Ketan B. Patil	Male	28	Electrician	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
53	11107	Shreyansh B. Girmal	Male	24	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
54	11108	Ramazan D. Keruri	Male	40	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	

  
 कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे  
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 क्र. ACS 15-AM/2016

FORM 7

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SHRI GURUDATT SUGARS LIMITED

( Health Register )

( In respect of persons employed in occupations declared to be dangerous operations under sections 87 )

CERTIFYING SURGEON

DR. ARVIND MANE

MBBS DPH AFIH.(MUMBAI)

Pramutech Services Ltd.

From: { 12-01-24 To 11-01-25 }

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth -day)	Dept. of employment of present work	Date of Leaving or Transfer to Other	Reason For Leaving Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of certifying surgeon	unfitness or suspension issued to	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
55	11109	Gorakanath D. Mane	Male	49	Distillery	NA	NA			13-01-24	FIT	NA	NA	NA	
56	11111	Vikrant B. Kamble	Male	37	Boiler	NA	NA			13-01-24	FIT	NA	NA	NA	
57	11113	Sachin T. Jadhav	Male	26	WDT	NA	NA			13-01-24	FIT	NA	NA	NA	
58	11114	Adesh V. Gundkalle	Male	26	Distillery	NA	NA			13-01-24	FIT	NA	NA	NA	
59	11116	Suyash S. Ghatage	Male	22	Distillery	NA	NA			13-01-24	FIT	NA	NA	NA	
60	-	Yogesh V. Kumbhar	Male	28	Engineering	NA	NA			13-01-24	FIT	NA	NA	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे  
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क्र. ACS 15-AM/2016

FORM 7

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SHRI GURUDATT SUGARS LIMITED

( Health Register )

( In respect of persons employed in occupations declared to be dangerous operations under sections 87 )

CERTIFYING SURGEON  
DR. ARVIND MANE  
MBBS DPH AFIH.(MUMBAI)

Raju Tambekar

From: { 12-01-24 To 11-01-25 }

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth -day)	Dept. of employment of present work	Date of Leaving or Transfer to Other	Reason For Leaving Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of certifying surgeon	unfitness or suspension issued to	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
1	-	Appaso L. Latte	Male	50	Packing	NA	NA			13-01-24	FIT	NA	NA	NA	
2	-	Imran S. Kunundwade	Male	35	Sugar Godwan	NA	NA			13-01-24	FIT	NA	NA	NA	
3	-	Kedar K. Nirmale	Male	26	Sugar Godwan	NA	NA			13-01-24	FIT	NA	NA	NA	
4	-	Nagesh D. Gaste	Male	28	Sugar Godwan	NA	NA			13-01-24	FIT	NA	NA	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे  
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क्र. ACS 15-AM/2016



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**SHRI GURUDATT SUGARS LIMITED**

**( Health Register )**

**( In respect of persons employed in occupations declared to be dangerous operations under sections 87 )**

**CERTIFYING SURGEON**

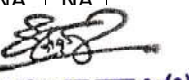
**DR. ARVIND MANE**

**MBBS DPH AFIH.(MUMBAI)**

**V.D.P.**

**From: { 12-01-24 To 11-01-25 }**

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth -day)	Dept. of employment of present work	Date of Leaving or Transfer to Other	Reason For Leaving Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of certifying surgeon	unfitness or suspension issued to	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
1	1505	Vidyasagar B. Chavan	Male	28	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
2	15034	Krishnat A. Shinde	Male	30	WTP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
3	15035	Sagar S. Patil	Male	27	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
4	15038	Mahesh B. Badame	Male	32	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
5	15039	Vinayak Rajaram Prathnahalli	Male	25	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
6	15041	Nikhil N. Patil	Male	21	Sanitation	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
7	15042	Ramchandra A. Vankore	Male	32	Sanitation	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
8	15043	Prakash S. Uadar	Male	39	ETP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
9	15044	Ashitosh S. Pawar	Male	24	WTP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
10	15045	Basagonda C. Patil	Male	27	WTP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
11	15051	Sourabh S. Koli	Male	25	Sanitation	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
12	15052	Rakesh Tatoba Gawade	Male	24	Biofertilizer	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
13	15054	Omkar Gajanan Bore	Male	26	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
14	15055	Altaf M. Tashildar	Male	24	WTP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
15	15057	Aaditya Sunil More	Male	24	WTP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
16	15058	Shoukat I. Naikwade	Male	49	Sanitation	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
17	15061	Sachin S. Pakhare	Male	38	Sanitation	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
18	15062	Vinayak K. Vasawade	Male	28	Caneyard	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
19	15064	Prakul P. Walake	Male	31	Agriculture	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
20	15071	Abhishek V. Badame	Male	25	Default	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
21	15073	Pandurang B. Sutar	Male	28	Caneyard	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
22	15077	Sandip R. Koli	Male	24	Electrician	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
23	15079	Atul Shankar Bele	Male	23	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
24	15082	Shiddheshwar R. Gote	Male	41	Manufacturing	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
25	15085	Sachin M. Chavan	Male	25	Manufacturing	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
26	15087	Yugandhar Y. Shinde	Male	27	WTP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
27	15088	Shivraj R. Koli	Male	25	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	

  
 कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे  
 कोल्हापूर जिल्हाकरिता  
 प्राधिकृत प्रमाणकशल्यधिकारिता  
 क्र. ACS 15-AM/2016

**FORM 7**

( See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

**SHRI GURUDATT SUGARS LIMITED**

**( Health Register )**

**( In respect of persons employed in occupations declared to be dangerous operations under sections 87 )**

**CERTIFYING SURGEON**

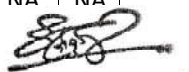
**DR. ARVIND MANE**

**MBBS DPH AFIH.(MUMBAI)**

**V.D.P.**

**From: { 12-01-24 To 11-01-25 }**

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth -day)	Dept. of employment of present work	Date of Leaving or Transfer to Other	Reason For Leaving Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of certifying surgeon	unfitness or suspension issued to	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
28	15090	Pradip A. Naik	Male	26	Manufacturing	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
29	15091	Mahesh S. Mali	Male	38	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
30	15093	Chidanand A. Karadage	Male	36	Manufacturing	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
31	15094	Rohan S. Patil	Male	27	Caneyard	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
32	15096	Vithal R. Gavade	Male	27	Default	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
33	15097	Mahesh S. Vankundre	Male	32	WTP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
34	15098	Abhishek S. Mang	Male	25	Manufacturing	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
35	15099	Rakesh D. Koli	Male	30	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
36	15102	Rahul R. Sunger	Male	28	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
37	15108	Prathamesh V. Katakar	Male	27	WTP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
38	15110	Suraj S. Badame	Male	26	Manufacturing	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
39	15114	Akshay D. Magdum	Male	25	WTP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
40	15116	Ramdas A. Vasankar	Male	22	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
41	15121	Subham S. Patil	Male	25	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
42	15131	Dhiraj U. Tavdare	Male	22	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
43	15132	Babu A. Koravi	Male	20	Manufacturing	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
44	15135	Harshad V. Ugare	Male	23	Production	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
45	15138	Shubham B. Bhatale	Male	27	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
46	15139	Sumit P. Jadhav Koravi	Male	23	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
47	15145	Vahid Babar Kurade	Male	20	Boiler	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
48	15146	Vishal Sanjay Phandare	Male	21	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
49	15148	Vishal Suresh Khot	Male	25	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
50	15150	Anil R. Patil	Male	47	Electrician	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
51	15161	Santosh K. Dhavale	Male	24	WTP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
52	15164	Shankar D. Killedar	Male	25	Sanitation	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
53	15166	Aakash Sanjay Vadar	Male	22	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
54	15170	Ramchandra B. Nandikuale	Male	41	Time Office	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	

  
 कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे  
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 प्राधिकृत प्रमाणकशल्यधिकृत  
 क्र. ACS 15-AM/2016

## FORM 7

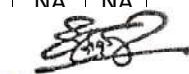
( See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII &amp; XX to Rule 114)

**SHRI GURUDATT SUGARS LIMITED****( Health Register )****( In respect of persons employed in occupations declared to be dangerous operations under sections 87 )****CERTIFYING SURGEON****DR. ARVIND MANE****MBBS DPH AFIH.(MUMBAI)**

V.D.P.

From: { 12-01-24 To 11-01-25 }

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth -day)	Dept. of employment of present work	Date of Leaving or Transfer to Other	Reason For Leaving Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of certifying surgeon	unfitness or suspension issued to	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
55	15175	Moshin A. Jamadar	Male	24	Manufacturing	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
56	15177	Sushant S. Desai	Male	24	WTP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
57	15180	Rahul M. Pakhare	Male	23	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
58	15187	Gurudatt S. Koli	Male	23	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
59	15188	Sourabh S. Solase	Male	24	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
60	15189	Akshay V. Patil	Male	26	Manufacturing	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
61	15191	Dhananjay A. Nasalapure	Male	29	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
62	15192	Amol P. Birange	Male	23	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
63	15194	Sanket R. Dangre	Male	22	WTP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
64	15196	Adarsh Y. Patil	Male	24	Manufacturing	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
65	15201	Shubham S. Koli	Male	24	Electrician	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
66	15202	Umesh B. Bawadekar	Male	29	ETP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
67	15204	Raj A. Patil	Male	30	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
68	15205	Ashok A. Koli	Male	28	Electrician	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
69	15206	Omkar V. Patil	Male	23	WTP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
70	15207	Chandan N. Sahani	Male	30	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
71	15208	Shambhu S. Sing	Male	36	Default	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
72	15209	Satyanand V. Gupta	Male	21	Default	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
73	-	Abhishek Sanjay Phalle	Male	23	-	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
74	-	Anil S. Koli	Male	48	-	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
75	-	Pandurang A. Susavare	Male	38	-	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
76	-	Uday S. Patil	Male	40	Boiler	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
77	-	Prathmesh S. Chavan	Male	23	Co-Generation	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
78	-	Kumar S. Birandage	Male	21	Distillery	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
79	-	Sammed R. Vathare	Male	22	Electrician	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
80	-	Sourabh S. Ugare	Male	21	Electrician	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
81	-	Abhishek A. Ambupe	Male	21	Electrician	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	

  
 कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे  
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 प्राधिकृत प्रमाणकशल्यधिकारिता  
 क्र. ACS 15-AM/2016



FORM 7

( See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

SHRI GURUDATT SUGARS LIMITED

( Health Register )

( In respect of persons employed in occupations declared to be dangerous operations under sections 87 )

**CERTIFYING SURGEON**  
**DR. ARVIND MANE**  
**MBBS DPH AFIH.(MUMBAI)**

V.D.P.

From: { 12-01-24 To 11-01-25 }

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth -day)	Dept. of employment of present work	Date of Leaving or Transfer to Other	Reason For Leaving Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handeled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of certifying surgeon	unfitness or suspension issued to	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15
82	-	Shubham R. Manjare	Male	21	Engineering	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
83	-	Vijay D. Patil	Male	33	Sugar Godwan	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
84	-	Vishvajit R. Shivpure	Male	20	WTP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
85	-	Shital S. Patil	Male	39	WTP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
86	-	Aadarsh K. Sutar	Male	19	WTP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	
87	-	Unishabh V. Magdum	Male	24	WTP	NA	NA			13-01-24	<b>FIT</b>	NA	NA	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे  
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प्राधिकृत प्रमाणकशल्यधिकित्सक  
क्र. ACS 15-AM/2016

# MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437  
Fax: 24023516  
Website: <http://mpcb.gov.in>  
Email: [cac-cell@mpcb.gov.in](mailto:cac-cell@mpcb.gov.in)



Kalpataru Point, 2nd, 3rd  
and 4th floor, Opp. Cine  
Planet Cinema, Near Sion  
Circle, Sion (E),  
Mumbai-400022

RED/L.S.I (R60)

Date: 08/03/2025

No:- Format1.0/CAC/UAN No.MPCB-  
CONSENT-0000201881/CO/2503001218

To,  
Shri Gurudatt Sugars Ltd  
Gat No. 61/A, Gat No. 61/A, Takalwadi, Tal. Shirol, Dist.  
-Kolhapur



**Sub: 1st Consent to Operate for Spent Wash Powder / Granules Plant  
granted under Red Category.**

- Ref:**
1. Renewal of Consent to Operate for - Format1.0/CAC/UAN  
No.MPCBCONSENT-0000208675/CR/2412000154 vide dt: 03/12/2024  
Valid up to 31/08/2025
  2. Consent to Establish Consent to Establish for Spent wash  
Powder/Granules. vide no: No:- Format1.0/CAC/UAN  
No.MPCBCONSENT-0000180773/CE/2402000151 vide dt: 02/02/2024
  3. Environmental Clearance - EC Identification No. - EC22A022MH187153  
File No. IA-J-11011/368/2022-IA-II(I) date of issue EC - 27/12/2022
  4. Minutes of 14th CAC Meeting held on vide dt: 07.01.2025 & 14.01.2025

Your application No.MPCB-CONSENT-0000201881 Dated 08.03.2024

For: Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to operate is granted for a period up to 31/08/2025**
2. **The capital investment of the project is Rs.9.6942 Crs. (As per C.A Certificate submitted by industry Existing-Rs. 305.79 Crs )**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Spentwash Powder/Granules	192	MT/Day

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

<i>Sr No</i>	<i>Description</i>	<i>Permitted (in CMD)</i>	<i>Standards to</i>	<i>Disposal Path</i>
1.	Trade effluent	0	As per Schedule-I	Not Applicable
2.	Domestic effluent	0	As per Schedule-I	Not Applicable

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

<i>Sr No.</i>	<i>Stack No.</i>	<i>Description of stack / source</i>	<i>Number of Stack</i>	<i>Standards to be achieved</i>
1	1	Hot Air Generator	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

<i>Sr No</i>	<i>Type of Waste</i>	<i>Quantity</i>	<i>UoM</i>	<i>Treatment</i>	<i>Disposal</i>
1	N.A.	0	--NA--	N.A.	N.A.

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

<i>Sr No</i>	<i>Category No./ Type</i>	<i>Quantity</i>	<i>UoM</i>	<i>Treatment</i>	<i>Disposal</i>
NA					

8. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
10. Project proponent shall submit Bank Guarantee of Rs. 5 Lakhs towards compliance of consent conditions and Enviromental Clearance conditions
11. The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. EC Identification No. - EC22A022MH187153 File No. IA-J-11011/368/2022-IA-II(I) date of issue EC - 27/12/2022.
12. Industry shall install online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server .



13. This consent is issued pursuant to the decision of the 14th CAC Meeting held on vide dt: 07.01.2025 & 14.01.2025
14. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
15. The industry shall create an Environment Cell by appointing an Environmental Engineer OR Expert for looking after day-to-day activities related to Environment OR Pollution control.

This consent is issued on the basis of information/documents submitted by the Applicant/Project Proponent, if it has been observed that the information submitted by the Applicant/Project Proponent is false, misleading or fraudulent, the Board reserves its right to revoke the consent & further legal action will be initiated against the Applicant/Project Proponent.



*Disnazy*

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Signed by: **Dr. Avinash Dhakne**  
Member Secretary  
For and on behalf of,  
**Maharashtra Pollution Control Board**  
ms@mpcb.gov.in  
2025-03-08 20:17:56 IST

#### Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	25000.00	TXN2404000186	01/04/2024	Online Payment

#### Copy to:

1. Regional Officer, MPCB, Kolhapur and Sub-Regional Officer, MPCB, Kolhapur  
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. CC/CAC Desk for record & website updation purposes.

## **SCHEDULE-I**

### **Terms & conditions for compliance of Water Pollution Control:**

#### **1.Conditions for Trade effluent:**

- A] As per your application, the Effluent generation from expansion activity is NIL.
- B] Industry shall operate Online Continuous Emission Monitoring System (OCEMS) and shall transmit Online Continuous Emission Monitoring System (OCEMS) data to Board's server directly through the data logger without any intermediate server

#### **2.Conditions for Sewage/ Domestic effluent:**

- i. You shall provide sewage treatment plant for the treatment of 0 CMD sewage generation due to expansion and provide including disinfection facility.
- ii. The industry shall operate sewage treatment system to treat the sewage/ domestic effluent so as to achieve the standards as prescribed by the board/under EP Act, 1986 and rules made thereunder from time to time whichever is stringent.

Sr.No	Parameter	Concentration not to exceed(in mg/l except for pH
1.	pH	6.5-9.0
2.	BOD	30
3.	TSS	100

- iii. The sewage shall be treated by using septic tank and soak pit and overflow if any shall be used on-land for gardening/irrigation.

5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	0.50
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance.

## **SCHEDULE-II**

### **Terms & conditions for compliance of Air Pollution Control:**

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

<b>Stack No.</b>	<b>Stack Attached To</b>	<b>APC System</b>	<b>Height in Mtrs.</b>	<b>Type of Fuel</b>	<b>Quantity &amp; UoM</b>	<b>S%</b>	<b>SO<sub>2</sub></b>
1	Hot Air Generator	WET Scrubber	28	Bagasse	2083 Kg/Hr	0.20	50.00

2. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
5. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150 mg/Nm <sup>3</sup>
--------------------	---------------	------------------------

6. Storage of raw materials, coal etc. shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
7. The industry shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office MPCB.
8. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
9. Industry shall provide Online Continuous Emission Monitoring System (OCEMS) i.e. flow meter and night vision camera to ensure the Zero Liquid Discharge (ZLD) of spent wash and OCEMS for Boiler stack for PM parameter.



### **SCHEDULE-III**

#### **Details of Bank Guarantees:**

<b>Sr. No</b>	<b>Consent (C2E/C2O/C2R)</b>	<b>Amt of BG Imposed</b>	<b>Submission Period</b>	<b>Purpose of BG</b>	<b>Compliance Period</b>	<b>Validity Date</b>
1	1st Consent to Operate	Rs. 5 Lakh	Submit / extend in 15 days	For compliance of consent conditions	31/08/2025	28/02/2026

**If the above Bank Guarantee is not submitted within stipulated period, then 12% interest will be levied as a penalty as per circular dtd 29/02/2024 No. BO/MPCB/AS(T)/Circular/B-240229FTS0122**

#### **BG Forfeiture History**

<b>Srno.</b>	<b>Consent (C2E/C2O/C2R)</b>	<b>Amount of BG imposed</b>	<b>Submission Period</b>	<b>Purpose of BG</b>	<b>Amount of BG Forfeiture</b>	<b>Reason of BG Forfeiture</b>
NA						

#### **BG Return details**

<b>Srno.</b>	<b>Consent (C2E/C2O/C2R)</b>	<b>BG imposed</b>	<b>Purpose of BG</b>	<b>Amount of BG Returned</b>
NA				



**SCHEDULE-IV**  
**General Conditions:**

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
  - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
  - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
  - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
  - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
  - f) D.G. Set shall be operated only in case of power failure.
  - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding upon you.
8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
11. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.

12. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
13. You shall operate OCEMS installed for source emission round 'O' clock and transmit data online to CPCB and MPCB server. You shall also monitor effluent quality, stack emissions and ambient air quality monthly/quarterly. You shall conduct Dioxin Furan monitoring by third party NABL Accredited agency once in year and submit report to Sub Regional Officer.
14. You shall ensure collection, and segregation of BMW regularly to treat and dispose Off within 48 hrs from generation.
15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. You shall not Rent, Lend, Sell, Transfer or Close Down the facility or otherwise transport the Bio Medical waste for any other purpose without obtaining prior written permission of the MPC Board.
20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.
23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
24. You shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the facility premises.



25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
26. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto
27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
31. You should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly. You shall conduct Dioxin Furan monitoring by third party NABL Accredited agency once in every year and submit report to Sub Regional Officer.
32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
34. You shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

35. You shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
36. You shall create the Environmental Cell by appointing an Environmental Engineer and Chemist for looking after day-to-day activities related to compliance of CCA.
37. You should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 , Bio Medical Waste Management Rules,2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year in Form-IV by 30th June of every year

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This certificate is digitally & electronically signed.

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# MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437  
Fax: 24023516  
Website: <http://mpcb.gov.in>  
Email: [cac-cell@mpcb.gov.in](mailto:cac-cell@mpcb.gov.in)



Kalpataru Point, 2nd, 3rd  
and 4th floor, Opp. Cine  
Planet Cinema, Near Sion  
Circle, Sion (E),  
Mumbai-400022

RED/L.S.I (R60)  
No:- Format1.0/CAC/UAN No.MPCB-  
CONSENT-0000208675/CR/2412000154

Date: 03/12/2024

To,  
Shri Gurudatt Sugars Ltd.,  
61/A, Gat No 61/A, Tal: Shirol, Dist: Kolhapur



**Sub: Renewal of Consent to Operate for 225 KLPD Distillery Unit granted under Red Category.**

- Ref:**
1. Renewal of consent to operate granted by the Board vide no. No:- Format1.0/CAC/UAN No.MPCB-CONSENT-0000170859/CR/2308000522 vide dt: 08/08/2023 valid up to: 31/08/2024
  2. Environmental Clearance vide no. - F. No-J-11011/41/2015-IA-II(I) DTD. 07.06.2019 and MoEFCC Notification dtd. 16.01.2020 & 02.03.2021.
  3. Environmental Clearance vide No. F. No. IA-J-11011/368/2022-IA-II(I) dated: 27.12.2022. for expansion of distillery from 150 KLPD Molasses to 400 KLPD Molasses Based Distillery / 400 KLPD Grain based Distillery producing Ethanol for EBP
  4. Minutes of 8th CAC Meeting held on dt: 04/10/2024

Your application No.MPCB-CONSENT-0000208675 Dated 09.05.2024

For: Consent to Renewal under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to renewal is granted for a period up to 31/08/2025**
2. **The capital investment of the project is Rs.305.7900 Crs. (As per C.A Certificate submitted by industry 302.6745 Crs + 3.12 Crs )**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Rectified Spirit (Captive)/ Denatured Spirit (Captive)	225	KL/D
2	Extra Neutral Alcohol OR	139.5	KL/D
3	Ethanol	213.75	KL/D
4	Impure Spirit /Technical Alcohol	15.75	KL/D



<b>Sr No</b>	<b>Product</b>	<b>Maximum Quantity</b>	<b>UOM</b>
5	Fusel Oil	11.25	KL/D
6	Electricity	5.5	MW

PP shall comply with all the conditions in MoEFCC notification dated 16.01.2020 & 2.03.2021 & distillery capacity shall not exceed to 225 KLPD.

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

<b>Sr No</b>	<b>Description</b>	<b>Permitted (in CMD)</b>	<b>Standards to</b>	<b>Disposal Path</b>
1.	Trade effluent	1200	As per Schedule-I	Bio-digester, MEE & incineration Boiler to achieve ZLD.
2.	Domestic effluent	0.8	As per Schedule-I	On land for gardening

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

<b>Sr No.</b>	<b>Stack No.</b>	<b>Description of stack / source</b>	<b>Number of Stack</b>	<b>Standards to be achieved</b>
1	1	Incineration boiler (22 TPH)	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

<b>Sr No</b>	<b>Type of Waste</b>	<b>Quantity</b>	<b>UoM</b>	<b>Treatment</b>	<b>Disposal</b>
1	Ash	16	MT/Day	-	Manure
2	Distillery sludge	12	MT/A	Composting	Manure

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

<b>Sr No</b>	<b>Category No./ Type</b>	<b>Quantity</b>	<b>UoM</b>	<b>Treatment</b>	<b>Disposal</b>
1	5.1 Used or spent oil	10	Ltr/M	Recycle	Sale to authorized recycler

- The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
- This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
- The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. F. No-J-11011/41/2015-IA-II(I) DTD. 07.06.2019 and ensure display/upload of six-monthly compliance monitoring report on your official website.
- PP shall ensure uninterrupted connectivity of OCEMS to Board server directly through data logger.
- PP shall not increase consented Cane Crushing Capacity at any given time for sugar unit.
- PP shall comply with all the conditions in MoEFCC notification dated 16.01.2020 & 2.03.2021.

14. Industry shall submit/extend Bank Guarantee of Rs. 25.0 Lakh towards Compliance of Consent conditions and O&M of Pollution Control System
15. This consent is issued pursuant to the decision of the 8th Consent Appraisal Committee Meeting held on dt: 04/10/2024
16. Project proponent shall comply with conditions stipulated in the Environmental Clearance vide No. F. No. IA-J-11011/368/2022-IA-II(I) dated: 27.12.2022. for expansion of distillery from 150 KLPD Molasses to 400 KLPD Molasses Based Distillery / 400 KLPD Grain based Distillery producing Ethanol for EBP
17. The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent. (Operate/Renewal)
18. The industry shall create an Environment Cell by appointing an Environmental Engineer / Expert for looking after day-to-day activities related to Environment / Pollution control.

This consent is issued on the basis of information/documents submitted by the Applicant/Project Proponent, if it has been observed that the information submitted by the Applicant/Project Proponent is false, misleading or fraudulent, the Board reserves its right to revoke the consent & further legal action will be initiated against the Applicant/Project Proponent.



*Disnazy*

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Signed by: **Dr. Avinash Dhakne**  
Member Secretary  
For and on behalf of  
**Maharashtra Pollution Control Board**  
ms@mpcb.gov.in  
2024-12-03 17:02:34 IST

#### Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	611580.00	TXN2406002208	12/06/2024	Online Payment
2	15000.00	TXN2409003148	24/09/2024	Online Payment

#### Copy to:

1. Regional Officer, MPCB, Kolhapur and Sub-Regional Officer, MPCB, Kolhapur  
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. CC/CAC Desk for record & website updation purposes.

## **SCHEDULE-I**

### **Terms & conditions for compliance of Water Pollution Control:**

#### **1.Conditions for Trade effluent:**

- A] As per your application, Spent wash generation after using C-heavy molasses (150 KLPD) is 1200 CMD (after MEE- 300 CMD) and after using B-heavy molasses & syrup (225 KLPD) will be 1325 CMD (after MEE- 270 CMD). For treatment of same you have provided Bio- digester MEE for volume reduction followed by Incineration Boiler for achieving zero discharge. In no case spent wash shall discharge outside the factory premises/ on land / into stream directly or indirectly.
- B] Industry shall operate Online Continuous Emission Monitoring System (OCEMS) and shall transmit Online Continuous Emission Monitoring System (OCEMS) data to Board's server directly through the data logger without any intermediate server

#### **2.Conditions for Sewage/ Domestic effluent:**

- i. You shall provide sewage treatment plant for the treatment of 0.8 CMD sewage generation due to expansion and provide including disinfection facility.
- ii. The industry shall operate sewage treatment system to treat the sewage/ domestic effluent so as to achieve the standards as prescribed by the board/under EP Act, 1986 and rules made thereunder from time to time whichever is stringent.

Sr.No	Parameter	Concentration not to exceed(in mg/l except for pH
1.	pH	6.5-9.0
2.	BOD	30
3.	TSS	100

- iii. The sewage shall be treated by using septic tank and soak pit and overflow if any shall be used on-land for gardening/irrigation.
4. The operation of distillery should be restricted for the days mentioned in EC in a year and take adequate precaution during rainy season.
5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	1.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	1350.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0

Fresh water consumption will be restricted as per EC.

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance.



## **SCHEDULE-II**

### **Terms & conditions for compliance of Air Pollution Control:**

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO <sub>2</sub>
1	Incineration Boiler (22 TPH)	ESP	82	Slope 300 CMD + Coal	50 MT/Day	0.50	500.00

2. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
5. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150 mg/Nm <sup>3</sup>
--------------------	---------------	------------------------

6. Storage of raw materials, coal etc. shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
7. The industry shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office MPCB.
8. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
9. Industry shall provide Online Continuous Emission Monitoring System (OCEMS) i.e. flow meter and night vision camera to ensure the Zero Liquid Discharge (ZLD) of spent wash and OCEMS for Boiler stack for PM parameter.

### **SCHEDULE-III**

#### **Details of Bank Guarantees:**

<b>Sr. No</b>	<b>Consent (C2E/C2O/C2R)</b>	<b>Amt of BG Imposed</b>	<b>Submission Period</b>	<b>Purpose of BG</b>	<b>Compliance Period</b>	<b>Validity Date</b>
1	Renewal of consent to operate	Rs. 25 Lakhs	submit/extend	Towards O & M of PCS and compliance of consent conditions.	31.08.2025	28.02.2026

**If the above Bank Guarantee is not submitted within stipulated period, then 12% interest will be levied as a penalty as per circular dtd 29/02/2024 No. BO/MPCB/AS(T)/Circular/B-240229FTS0122**

#### **BG Forfeiture History**

<b>Srno.</b>	<b>Consent (C2E/C2O/C2R)</b>	<b>Amount of BG imposed</b>	<b>Submission Period</b>	<b>Purpose of BG</b>	<b>Amount of BG Forfeiture</b>	<b>Reason of BG Forfeiture</b>
NA						

#### **BG Return details**

<b>Srno.</b>	<b>Consent (C2E/C2O/C2R)</b>	<b>BG imposed</b>	<b>Purpose of BG</b>	<b>Amount of BG Returned</b>
NA				



## **SCHEDULE-IV**

### **General Conditions:**

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
  - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
  - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
  - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
  - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
  - f) D.G. Set shall be operated only in case of power failure.
  - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding upon you.
8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.



11. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
12. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
13. You shall operate OCEMS installed for source emission round 'O' clock and transmit data online to CPCB and MPCB server. You shall also monitor effluent quality, stack emissions and ambient air quality monthly/quarterly. You shall conduct Dioxin Furan monitoring by third party NABL Accredited agency once in year and submit report to Sub Regional Officer.
14. You shall ensure collection, and segregation of BMW regularly to treat and dispose Off within 48 hrs from generation.
15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. You shall not Rent, Lend, Sell, Transfer or Close Down the facility or otherwise transport the Bio Medical waste for any other purpose without obtaining prior written permission of the MPC Board.
20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.
23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
24. You shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the facility premises.

25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
26. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto
27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
31. You should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly. You shall conduct Dioxin Furan monitoring by third party NABL Accredited agency once in every year and submit report to Sub Regional Officer.
32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

34. You shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
35. You shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
36. You shall create the Environmental Cell by appointing an Environmental Engineer and Chemist for looking after day-to-day activities related to compliance of CCA.
37. You should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 , Bio Medical Waste Management Rules,2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year in Form-IV by 30th June of every year

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This certificate is digitally & electronically signed.

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F. No.J-11011/41/2015-IA-II(I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
IA Division

Indira Paryavaran Bhawan  
Jor bagh Road, New Delhi - 3  
Dated: 7<sup>th</sup> June, 2019

To,

M/s Shri Gurudatt Sugars Ltd,  
Gat No. 61/A, Akiwat Takaliwadi Road,  
Taluka Shirol,  
District Kolhapur (Maharashtra)

**Sub: Expansion of sugar & co-generation power plant and setting up molasses based distillery by M/s Shri Gurudatt Sugars Ltd at Gat No.61/A, Taluka Shirol, District Kolhapur (Maharashtra) - Environmental Clearance - reg.**

Sir,

This has reference to your online proposal No.IA/MH/IND2/59911/2014 dated 27<sup>th</sup> January, 2019 for environmental clearance to the above project.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for expansion of sugar plant from 6000 to 13000 TCD, co-generation power plant from 21 to 90 MW, and setting up molasses based distillery of 150 KLPD in existing area of 55 acres by M/s Shri Gurudatt Sugars Ltd at Gat No.61/A, Akiwat Takaliwadi Road, Taluka Shirol, District Kolhapur (Maharashtra).

3. The details of existing/proposed products are as under:-

S. No.	Products	Existing	Proposed	Total
1.	Sugar Unit	6000 TCD	7000 TCD	13000 TCD
2.	Co-Generation Unit	21 MW	69 MW	90 MW
3.	Distillery Unit	Nil	150 KLPD	150 KLPD
4.	Refined Sugar	Nil	1755 TPD	1755 TPD

4. Existing land area is 222577 m<sup>2</sup> (55 acres). No additional land shall be required for the proposed expansion. Green belt will be developed in 33% i.e. 73449 sqm out of the total project area. The estimated project cost is Rs.350 Crore. Total capital cost earmarked towards environmental pollution control measures is Rs.19.6 Crore and the recurring cost (O&M) will be about Rs.167.5 Lack per annum. Total Employment will be 300 persons as direct & 500 persons indirect.

5. There are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves and Wildlife Corridors etc. within 10 km distance from the project site. Krishna River flows at distance of 4 km in the West.

6. Total fresh water requirement of 760 m<sup>3</sup>/day is proposed to be met from Krishna River. Approval in this regard has been obtained from the Chief Engineer, Irrigation Department, Kolhapur (Maharashtra).



Effluent of 1300 m<sup>3</sup>/day from sugar and co-gen unit will be treated through ETP consisting of primary, secondary and tertiary treatment units, followed by Condensate Polishing Unit. The effluent of 1350 m<sup>3</sup>/day from distillery unit will be sent to MEE, and the concentrated spent wash would be fed to incineration boiler. There will be no discharge of treated/untreated waste water from the unit, and thus ensuring Zero Liquid Discharge.

Two multi fuel boilers of 120 TPH capacity each and one Multi fuel boiler of 60 TPH will be installed. Electrostatic Precipitator with a stack of height of 70 m each for 120 TPH capacity boiler and 90 m for 60 TPH boiler will be installed to control the particulate emissions within the statutory limits of 150 mg/Nm<sup>3</sup>.

7. The project/activity is covered under category A of item 5 (g) 'Distilleries', 1(d) 'Thermal Power Plants' and category B of item 5(j) 'Sugar Industry' of the Schedule to the EIA Notification, 2006 and requires consideration at central level in the Ministry.

8. Standard Terms of Reference for the project was granted on 17<sup>th</sup> August, 2017. Public hearing was conducted by the State Pollution Control Board on 5<sup>th</sup> December 2018.

9. The proposal for environmental clearance was considered by the EAC (Industry-2) in its meetings held on 8-9 April, 2019. The project proponent and their consultant presented the EIA/EMP report. The Committee found the EIA/EMP report to be satisfactory, complying with the ToR, and recommended the project for grant of environmental clearance.

10. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project for **expansion of sugar plant from 6000 to 13000 TCD, co-generation power plant from 21 to 90 MW, and setting up molasses based distillery of 150 KLPD** by M/s Shri Gurudatt Sugars Ltd at Gat No.61/A, Akiwat Takaliwadi Road, Taluka Shirol, District Kolhapur (Maharashtra), under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions as under:-

(a) Prior approval shall be obtained from PESO for site and layout plan of storage facilities (Petroleum storage Class A installation).

(b) 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, shall be obtained from the State Pollution Control Board as required.

(c) As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.

(d) Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.

(e) To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.

(f) Coal less than 0.5% sulphur content shall be used as fuel in boiler.



- (g) Total fresh water requirement shall not exceed 760 cum/day proposed to be met from Krishna River. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
- (h) Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
- (i) Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
- (j) The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.
- (k) The company shall undertake waste minimization measures as below:-
- (i) Metering and control of quantities of active ingredients to minimize waste.
  - (ii) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
  - (iii) Use of automated filling to minimize spillage.
  - (iv) Use of Close Feed system into batch reactors.
  - (v) Venting equipment through vapour recovery system.
  - (vi) Use of high pressure hoses for equipment clearing to reduce wastewater generation.
- (l) The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.
- (m) All the commitments made regarding issues raised during the public hearing/consultation meeting shall be satisfactorily implemented.
- (n) At least 0.75% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.
- (o) For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
- (p) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
- (q) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- (r) 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.
- (s) Storage of raw materials shall be done either in silos or covered areas to prevent dust pollution and other fugitive emissions.





(t) 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 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.

(u) CO<sub>2</sub> generated from the process shall be bottled/made solid ice and sold to authorized vendors.

(v) 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.

**10.1** The grant of Environmental Clearance is further subject to compliance of other generic conditions as under:-

(i) The project authorities must strictly adhere to the stipulations made by the state Pollution Control Board (SPCB), State Government and/ or any other statutory authority.

(ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

(iii) The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.

(iv) The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 shall be complied with.

(v) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

(vi) The Company shall harvest rainwater from the roof tops of the buildings to recharge ground water, and to utilize the same for different industrial operations within the plant.

(vii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis.

(viii) 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 EIA/EMP in respect of environmental management, risk mitigation measures and public hearing shall be implemented.



(ix) The company shall undertake all measures for improving socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villagers, administration and other stake holders. Also eco-developmental measures shall be undertaken for overall improvement of the environment.

(x) A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

(xi) 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.

(xii) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.


(xiii) 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.

(xiv) The environmental statement for each financial year ending 31<sup>st</sup> 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 environmental clearance conditions and shall also be sent to the respective Regional offices of MoEF&CC by e-mail.

(xv) The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at <http://moef.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.


11. 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.

12. 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 Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991, read with subsequent amendments therein.

  
7/6/2019  
**(S. K. Srivastava)**  
**Scientist E**

**Copy to: -**

1. The Principal Secretary, Environment Department, Government of Maharashtra, 15<sup>th</sup> Floor, New Administrative Building, Mantralaya, **Mumbai** (Maharashtra) – 32
2. The Additional Principal Chief Conservator of Forests, Regional Office (WCZ), Ministry of Environment, Forest and Climate Change, **Nagpur** (Maharashtra)
3. The Member Secretary, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, **Delhi** - 32
4. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3<sup>rd</sup> and 4<sup>th</sup> floor, Opp. Cine Planet, Sion Circle, **Mumbai** - 22
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, **New Delhi** - 3
6. Guard File/Monitoring File/Record File

  
7/6/2019  
**(S. K. Srivastava)**  
**Scientist E**