

**SIX MONTHLY  
EC COMPLIANCE  
REPORT**

**(Period: April 2023 to September 2023)**

**By**

**M/s. M/s Vilas Sahakari Sakhar Karkhana  
Ltd,**

**Vaishalinagar Village, Nivali Tal - & Dist-Latur,  
Maharashtra**

**Submitted to**

**Ministry of Env., Forest and Climate Change  
Regional Office (WCZ), Ground Floor  
East Wing, New Secretariat Building,  
Civil Lines, Nagpur-440 001**

Your (**Environment Clearance**) application has been **Submitted** with following details

<b>Proposal No</b>	J-11011/937/2008- IA II (I)
<b>Compliance ID</b>	96860704
<b>Compliance Number(For Tracking)</b>	EC/M/COMPLIANCE/96860704/2024
<b>Reporting Year</b>	2023
<b>Reporting Period</b>	01 Dec(01 Apr - 30 Sep)
<b>Submission Date</b>	26-08-2024
<b>IRO Name</b>	V Geroge Jenner
<b>IRO Email</b>	tr025@ifs.nic.in
<b>State</b>	MAHARASHTRA
<b>IRO Office Address</b>	Integrated Regional Offices, Nagpur

**Note:-** SMS and E-Mail has been sent to V Geroge Jenner, MAHARASHTRA with Notification to Project Proponent.

# विलास सहकारी साखर कारखाना लि.

वैशालीनगर, निवळी, ता. जि. लातूर-४१३५११ (महाराष्ट्र)

## Vilas Sahakari Sakhar Karkhana Ltd.

Vaishalinagar, Nivali, Tal.& Dist. Latur-413511 (Maharashtra)

GSTIN. : 27AAATV2893E1Z9

Email : vilassugar1@gmail.com



Phone : (02382) 277622, 30, 32, 33  
: 9422377622

VSSK/Envi/ 1087 /2023 - 24

Date:- 13 AUG 2024

To,  
The Regional Officer (RO),  
West Central Zone, Regional Office,  
New Secretariat Building,  
Opp. VCA Ground, Civil Lines,  
Nagpur - 440 001

**Sub :-** Submission of Six Monthly Environmental Compliance Report for the period of April 2023 to September 2023 w.r.t. Expansion of Molasses Based Distillery unit from 30 to 60 KLPD capacity and 18MW Cogeneration plant by M/s.Vilas Sahakari Sakhar Karkhana Ltd located at Vaishalinagar Village, Nivali Tal - & Dist-Latur, Maharashtra.

**Ref :-** Environmental Clearance (EC) vide letter No. J-11011/337/2008-IA II (I) dated 28<sup>th</sup> October 2009. (Refer Enclosure - I)

Respected Sir,

This has reference to Environmental Clearance granted to our expansion of Molasses Based Distillery unit from 30 to 60 KLPD capacity and 18MW Cogeneration plant by M/s Vilas Sahakari Sakhar Karkhana Ltd located at Vaishalinagar Village, Nivali Tal - & Dist-Latur, Maharashtra.

Also, Environmental Clearance (EC) letter No. J-11011/337/2008-IA II (I) dated 28<sup>th</sup> October 2009. As per General Condition No. We are submitting a six-monthly compliance report for a period of April 2023 to September 2023.

We hope the details furnished by us are in accordance with your requirements.

Thanking you,

Yours faithfully,

  
Sanjeev Desai

[Managing Director.] M/s. Vilas Sahakari Sakhar Karkhana Ltd



1  
S. K. K. K.  
M. K. K. K.  
F. No. J-11011/937/2008- IA II (I)  
Government of India  
Ministry of Environment and Forests  
(I.A. Division)

Paryavaran Bhawan, CGO Complex,  
Lodhi Road, New Delhi - 110 003  
E-mail: [ms.industry-mef@nic.in](mailto:ms.industry-mef@nic.in)  
Telefax: 011 - 2436 3973  
Dated: 28<sup>th</sup> October, 2009

To,  
The Managing Director  
M/s Vikas Sahakari Sakhar Karkhana Limited  
Vaishalinaga, Nivli District Latur  
Maharashtra.

Subject: Expansion of molasses based distillery unit from 30 to 60 KLPD and 18 MW Cogeneration plant at Vaishalinagar, Nivali, Tal. & Dist. Latur in Maharashtra by M/s Vikas Sahakari Sakhar Karkhana Limited. - reg. environmental clearance.

Sir,  
This has reference to your letter No. VSSK/Distillery/1535/2009-10 dated 25<sup>th</sup> July, 2009 along with a copy of EIA/EMP report seeking environmental clearance on the above mentioned subject under the EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined the proposal. It is noted that M/s Vikas Sahakari Sakhar Karkhana Limited have proposed for expansion of molasses based distillery unit from 30 KLPD to 60 KLPD and 18 MW Cogeneration power plant at Vaishalinagar, Nivali, Tal. & Dist. Latur in Maharashtra. No Wild life sanctuary/national park/biosphere reserve etc. is located within 10 km radius of the project. No Forest land and R&R is involved. The distillery is attached to sugar unit of 2500 TCD Capacity and it is proposed to increase the capacity to 3500 TCD. The unit will manufacture R.S. (57 KLPD) / ENA (56.5 KLPD), Impure spirit as a byproduct (3.5 KLPD) and Fusal oil (0.12 KLPD) as by product based on continuous fermentation technology. The Distillery will run for 270 days and cogeneration power plant will run for 300 day. Proposed expansion will be carried within the existing unit having land area of 23.9 acres, of which 5 acres will be utilized for distillery, bio-methanation, evaporation plant, spent wash storage lagoon, 8 acres for bio-composting, 5 acres for cogeneration power plant and 5.9 acres for greenbelt development. Molasses requirement will be 222.2 MT/day. Power requirement of 1.200 MW \ hr will be met from the captive power plant. Fuel for the boiler will be bagasse (Season: 822.5MT/Day; off season: 309.5 MT/Day) Project cost for expansion is Rs. 2874.62 lacs and for Cogeneration power plant is Rs. 6167.15 lacs. Cost for environmental protection measures will be Rs. 1128.00 lacs.

3.0 It is noted that the water requirement of 1000 m<sup>3</sup> /day for distillery unit and 1355 m<sup>3</sup>/day for cogeneration plant will be sourced from Nivale lake and permission from the State Irrigation Department, Maharashtra has been obtained. The spent wash generation after expansion will increase to 600m<sup>3</sup>/day. Spent wash treatment will be by Bio-methanation followed by concentration in the evaporation plant. The concentrated spent wash will be composted with press mud. The CO<sub>2</sub> produced during fermentation will be scrubbed with water. Cyclones and stack height of 65m is proposed for the boiler to control the particulate emissions.

4.0 All molasses and non-molasses based distilleries are listed at Sl. No. 5(g) of schedule of EIA notification, 2006. The molasses based distillery unit irrespective of capacity fall under category 'A' and appraised at the Centre.

5.0 The proposal was considered by the Expert Appraisal Committee - 2 (Industry) in its 3<sup>rd</sup> meeting held on 15-16<sup>th</sup> September, 2009. The Committee recommended the project for grant of environmental clearance. The public hearing was exempted as per para 7(ii) of EIA Notification, 2006.

7. Based on the information submitted by you, the Ministry of Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA Notification dated 14<sup>th</sup> September 2006 subject to strict compliance of the following Specific and General conditions:

A. SPECIFIC CONDITIONS:

- i. The industry shall ensure that the treated effluent and stack emissions from the unit are within the norms stipulated under the EPA rules or SPCB whichever is more stringent. In case of process disturbances/failure of pollution control equipment adopted by the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- ii. The particulate emissions from the 55 TPH and 40 TPH capacity boilers shall be controlled by installation of cyclones and emissions shall be dispersed through stack height as per the CPCB guidelines. The particulate emissions shall conform to the prescribed standards. The emissions from the DG sets shall be dispersed through stack of height as per CPCB/State Pollution Control Board standards. Acoustic enclosures shall be provided to the DG sets to mitigate noise levels.
- iii. The Company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and the State Pollution Control Board. The levels of SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels), emissions from the stacks and pH, TDS, BOD, COD, Chloride, suspended solids and sulphates in the treated effluent shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.
- iv. ~~The spent wash after bio-methanation shall be concentrated in the multiple effect evaporator and concentrated spent wash shall be composted with press mud to achieve zero discharge. The press mud requirement area for compost shall be as per the CPCB guidelines. The effluent shall not be discharged outside the plant premises. The zero discharge condition shall be strictly maintained.~~

v. The distillery shall not operate during the rainy season.

~~vii.~~ The spent wash shall be stored in impervious pucca lagoon. The spent wash lagoon shall have proper lining with HDPE and shall be kept in proper condition to prevent ground water pollution. As per the CPCB recommendation, storage capacity of lagoon shall not exceed 30 days capacity.

vii. Adequate numbers of ground water quality monitoring stations by providing ~~piezometers~~ around the project area and compost yard shall be set up. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and this Ministry.

viii. ~~Green belt in 33%~~ of the plant area shall be provided to mitigate the effects of fugitive emissions all around the plant as per CPCB guidelines in consultation with the local DFO.

ix. Permission shall be obtained to draw the water from the State Irrigation Department.

x. Company shall adopt rainwater harvesting measures to recharge the ground water.

xi. Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the medical records of each employee shall be maintained separately.

xii. Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.

#### B. GENERAL CONDITIONS:

i. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.

ii. Ambient Air Quality Monitoring Stations shall be set up in the down wind direction as well as where maximum ground level concentration of SPM, SO<sub>2</sub>, NO<sub>x</sub>, are anticipated in consultation with the State Pollution Control Board.

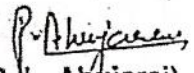
iii. Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the State Pollution Control Board. Regular monitoring should be carried out for relevant parameters.

- iv. The industry shall ensure that the treated effluent and stack emissions from the unit are within the norms stipulated under the EPA rules or SPCB whichever is more stringent. In case of process disturbances/failure of pollution control equipment adopted by the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- 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 should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA ( day time) and 70 dBA ( night time).
- vi. Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the medical records of each employee shall be maintained separately.
- vii. A separate environmental management cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.
- viii. The project authorities shall provide requisite funds for both recurring and non-recurring expenditure to implement the conditions stipulated by the non-recurring expenditure to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
- ix. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.
- x. The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhopal /State Pollution Control Board/Central Pollution Control Board.
- xi. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated E C conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the State Pollution Control Board.
- xii. 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 by e-mail.

# Required documents for MPCB.


-5-

- xiii. 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 State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.
- xiv. The Project Authorities shall inform the Regional Office as well as the Ministry the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.
8. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
9. The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.
10. Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
11. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Trans boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

  
(Dr. P. L. Ahujarai)  
Director

## Copy to:

1. The Secretary, Department of environment and forests, Govt. of Maharashtra.
2. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office, E - 3 / 240 Arera Colony Bhopal - 462 016.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar New Delhi - 110 032.
4. The Chairman, Maharashtra Pollution Control Board, Kalpataru Points, 3rd & 4th Floor, Opp. Cine Planet, Sion Circle, Sion (E) Mumbai - 400 022.
5. Monitoring Cell, Ministry of Environment and Forests, Paryayaran Bhavan, CGO Complex, New Delhi.
6. Guard File.
7. Monitoring File.
8. Record File.

  
(Dr. P. L. Ahujarai)  
Director

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## SIX MONTHLY EC COMPLIANCE REPORT

1	Name of Project	:	M/s Vilas Sahakari Sakhar Karkhana Ltd., (Distillery Unit)
2	Clearance Letter No. & date	:	F. No. J-11011/937/2008- IA II (I) dated 28/10/2009.
3	Location of Project	:	Vaishalinagar Village, Nivali Tal - & Dist-Latur, Maharashtra
4	Address for Correspondence	:	Vaishalinagar Village, Nivali Tal - & Dist-Latur, Maharashtra

“M/s Vilas Sahakari Sakhar Karkhana Ltd.” is located in Vaishalinagar Village, Nivali Tal - & Dist-Latur, Maharashtra. Sugar Factory & Co-gen Plant was registered under the name of “M/s. Vikas Sahakari Sakhar Karkhana Ltd.” Construction for Sugar Factory was started in the year 2000 with evaporation boiler. First trial season for Sugar Factory having initial crushing capacity of 1250 TCD was taken in year 2000. Subsequently, the name of industry was changed from M/s. M/s Vikas Sahakari Sakhar Karkhana Ltd to M/s Vikas Sahakari Sakhar Karkhana Ltd in the year 21 March, 2000. The EC for 30 KLPD Molasses based distillery (in the name of M/s. Vikas Sahakari Sakhar Karkhana Ltd) was granted by MoEFCC, New Delhi vide No J-11011/161/2004-IA II(I) dated 24.12.2004. After that in the year 2005; 1<sup>st</sup> expansion of Sugar Factory from 1250 to 2500 TCD was done. 2<sup>nd</sup> expansion of Sugar Factory from 2500 to 3500 TCD was done in the year 2009. Thereafter EC for 1<sup>st</sup> expansion of Molasses based Distillery from 30 to 60 KLPD & 18 MW Cogeneration Plant was granted from MoEFCC, New Delhi vide No.: J-11011/937/2008-IA II(I) dated 28 October, 2009. Subsequently, expansion of Sugaer factory from 1250 to 3500 TCD was granted by MPCB (CTE & CTO) in the year 2011-12. Refer incorporation certificate enclosed at Additional Documents. Existing Sugar Factory, Co-gen Plant & Distillery have been granted valid Consent To Operate from MPCB.

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
<b>A.</b>	<b>SPECIFIC CONDITIONS</b>	
i	The industry shall ensure that the treated effluent and stack emissions from the unit are within the norms stipulated under the EPA rules or SPCB whichever is more stringent. In case of process disturbances /failure of pollution control equipment adopted by the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.	<b>Complied.</b> Effluent generated from molasses-based distillery comprises of raw spentwash, spentlees and other effluents viz. cooling & boiler blow downs, effluent from lab & washings etc. The Generated Spent wash is Primarily Treated in Biomethanation Plant followed by concentration in Multiple Effect Evaporator (MEE). Further the Concentrated Spent wash is incinerated in 22 TPH incineration boiler. Moreover, the spent-lees generated, MEE Condensate and other effluent is forwarded to CPU. The CPU is operated and maintained in such a manner to achieve the standard limits prescribed by CPCB/MPCB. The treated

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
		<p>effluent from CPU used for Distillery cooling tower makeup and Distillery fermentation process use.</p> <p>Furthermore, the steam required for Distillery operations are taken from boiler.</p> <p>Routine monitoring is being carried out for stack emissions as well as effluent through NABL &amp; MoEFCC approved laboratory. The parameters are well within the norms prescribed by MPCB. <b>Annexure – I</b> may be referred for Copies of Stack &amp; Effluent Quality Monitoring Report as well as Continuous online monitoring system is installed at stack. Data from online monitoring system is uploaded online on MPCB as well as CPCB server. Refer <b>Annexure - II</b> for photographs showing online monitoring system provided to stack.</p> <p>Before start of season, all the installed pollution control equipments are checked for their proper operations and ensured that they are achieving desired standards. In case of failure, then the entire manufacturing process is shutdown with immediate effect.</p>
ii	<p>The particulate emissions from the 55 TPH and 40 TPH capacity boilers shall be controlled by installation of cyclones and emissions shall be dispersed through stack height as per the CPCB guidelines. The particulate emissions shall conform to the prescribed standards.</p> <p>The emissions from the DG set shall dispersed through stack of height as CPCB/State Pollution Control Board Standards. Acoustic enclosures shall be provided to the DG set to mitigate noise levels.</p>	<p><b>Complied.</b></p> <p>The steam required for distillery operations is taken from boilers. The industry has installed ESP &amp; wet scrubber as an air pollution control device to control particulate matter emissions from the 55 TPH and 40 TPH Sugar Factory Boilers in addition, a common stack of 65 m height is in place as per the CPCB guidelines. and install a bag filter as APC device to control particulate matter emissions from the 22 TPH incineration boiler. In addition, a stack of 75 m height is in place as per the CPCB guidelines. Refer <b>Annexure III</b> for the photograph of ESP.</p>

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
		Refer <b>Annexure – IV</b> for Photo of DG set with acoustic enclosure
iii	<p>The Company shall upload the status of It will compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically.</p> <p>It shall simultaneously be send to the Regional Office of MoEF, the respective Zonal Office of CPCB and the State Pollution Control Board. The Levels of SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub>, (ambient Level) emissions from the stacks and pH, TDS, BOD, COD, Chloride, suspended solids and sulphate in the treated effluent shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.</p>	<p><b>Complied.</b></p> <p>The condition is being followed. The status of compliance of the stipulated environmental clearance conditions is being uploaded and website is being updated at the same periodically.</p> <p>The treated effluent &amp; Pollutant levels are being monitored and are displayed at the main gate. Refer <b>Annexure V</b> for the photographs of the same. <b>Annexure – I</b> may be referred for Copies of Monitoring Report</p>
iv	<p>The spent wash after bio-methanation shall be concentrated in the multiple effect evaporator and concentrated spent wash shall be composted with press mud to achieve zero discharge. The press mud requirement, area for compost yard and storage of finished products shall be as per the CPCB guidelines. The effluent shall not be discharged outside the plant premises. The zero-discharge condition shall be strictly maintained.</p>	<p>Effluent generated from molasses-based distillery comprises of raw spentwash, spentlees and other effluents viz. cooling &amp; boiler blow downs, effluent from lab &amp; washings etc. The Generated Spent wash is Primarily Treated in Biomethanation Plant followed by concentration in Multiple Effect Evaporator (MEE). Further the Concentrated Spent wash is incinerated in 22 TPH incineration boiler. As per consent grated by MPCB</p> <p>Moreover, the spent-lees generated, MEE Condensate and other effluent is forwarded to CPU. The CPU is operated and maintained in such a manner to achieve the standard limits prescribed by CPCB/MPCB. The treated effluent from CPU used for Distillery cooling tower mekeup and Distillery fermentation process use.</p>
v	<p>The distillery shall not operate during therainy season.</p>	<p><b>Noted</b></p> <p>Distillery operated max for 270 days and it always remained closed during rainy season.</p>

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
vi	The spent wash shall be stored in impervious pucca lagoon. The spent wash lagoon shall have proper lining with HDPE and shall be kept in proper condition to prevent ground water pollution. As per the CPCB recommendation, storage capacity of lagoon shall not exceed 30 days capacity	A 30 days storage capacity tank for raw spentwash is provided on site. The same has been designed as per CPCB's technical guidelines. HPDE liners of 250 mm followed by cement concrete lining have been provide for the tanks. Refer <b>Annexure - VI</b> for the photographs of Spent wash storage tank.
vii	Adequate numbers of ground water quality monitoring stations by providing piezometers around the project are and compost yardshall be set up. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and this Ministry	Piezometers are provided around compost yard. Refer <b>Annexure -VII</b> for photographs of Piezometer. Ground water monitoring has been carried out for bore well water sample refer <b>Annexure VIII</b> for Ground Water quality monitoring reports
viii	Green belt in 33% of the plant area shall be provided to mitigate the effects of fugitive emissions all around the plant as per CPCB guidelines in consultation with the local DFO.	The total plot area under Sugar & co-gen and distillery is 84.58 Ha. Green Belt developed on 9.71 Ha area, <b>Annexure - IX</b> showing photographs for existing green belt developed and list of trees planted onsite.
ix	Permission shall be obtained to draw the water from the State Irrigation Department.	Compliance to the condition has already done. Industry has already procured permission for lifting the water from Nivli M.I. tank. Water permission letter is attached at <b>Annexure X</b> for details.
x	Company shall adopt rainwater harvesting measures to recharge the ground water	<b>Complied.</b> Rain water harvesting system has been developed at the site.  Refer <b>Annexure - XI</b> for the details of the rain water harvesting and layout of rainwater harvesting
xi	Occupational health surveillance programme shall be undertaken as regular exercise for allthe employees. The first aid facilities in the Occupational health center shall be strengthened and the medical records of eachemployee shall be maintained separately.	Occupational health surveillance is being carried out for all VCL workers on regular basis. A record of health check up is also maintained on site. Refer <b>Annexure –XII</b> For Photo of Health checkup Programme  Refer <b>Annexure XIII</b> for Photo of first aid facilities at distillery unit.
xii	Provision shall be made for the housing	<b>Complied</b>



Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
	for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.	During construction phase of the project, existing housing facilities (of sugar mill) were provided to some of the construction workers. The housing is having facilities of safe drinking water, electricity, toiler, bathroom, kitchen, etc. In addition, the medical facilities were also provided to the construction workers. –
<b>B</b>	<b>GENERAL CONDITIONS</b>	
i	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	<b>Noted &amp; Abided</b> Until the date, no any expansion or modifications in production plant have been carried out without EC.
ii	Ambient Air Quality Monitoring Stations shall be set up in the down wind direction as well as where maximum ground level concentration of SPM, SO <sub>2</sub> , NO <sub>x</sub> , are anticipated in consultation with the State Pollution Control Board.	<b>Complied.</b> AAQ is monitored at three locations within the factory premises and five villages in the close surrounding which includes villages in downwind directions. Report of AAQ monitoring is enclosed as <b>Annexure I</b>
iii	Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the State Pollution Control Board. Regular monitoring should be carried out for relevant parameters.	As per latest guidelines of CPCB, online monitoring system has been installed at Effluent Treatment plant. Therein, parameter like BOD, COD etc is monitored continuously. Data from online monitoring system is uploaded online on MPCB as well as CPCB server. Refer <b>Annexure - II</b> for photographs of online monitoring system installed on site. As well Monitoring Reports of the same
iv	The industry shall ensure that the treated effluent and stack emissions from the unit are within the norms stipulated under the EPA rules or SPCB whichever is more stringent. In case of process disturbances/ failure of pollution control equipment adopted by the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.	<b>Complied.</b> Continuous online monitoring system is installed at stack as well as ETP. Data from online monitoring system is uploaded online on MPCB as well as CPCB server. Refer <b>Annexure - II</b> for photographs showing online monitoring system provided to stack. Before start of season, all the installed pollution control equipments are checked for their proper operations and ensured that they are achieving desired standards. In case

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
		of failure, then the entire manufacturing process is shutdown with immediate effect.
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 should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	<b>Complied.</b> Major noise generating source at integrated project complex are Boiler, Distillation section, milling section, turbine, blowers, D.G. set. etc. The overall noise levels in and around the plant area are maintained within the standards prescribed under Environment (Protection) Act, 1986, 1989 Rules. Workers working in noisy area are provided with personal protective equipments such as ear plug, ear muffs etc.
vi	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health center shall be strengthened and the medical records of each employee shall be maintained separately.	<b>Complied</b> The factory undertakes health checkup programme annually, for all workers and staff. First aid facilities are available and maintained properly. Please refer <b>Annexure XII</b> for Photo of Health checkup Programme and <b>Annexure XIII</b> for photo of first aid facilities at distillery unit.
vii	A separate environmental management cell equipped with full-fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	<b>Complied</b> Environment management cell has been constituted by the management under the chairmanship of Distillery Manager. <b>Refer Annexure XIV</b> for the EMC details
viii	The project authorities shall provide requisite funds for both recurring and non-recurring expenditure to implement the conditions stipulated by the non-recurring expenditure to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	<b>Complied</b> Funds of Rs. 62 Cr were allocated for implementation of measures recommended in EC and consent This fund was totally utilized for the pre-defined work, without diverting it to any other purpose. <b>Annexure XV</b> for details of funds utilization for implementation of the condition stipulated by the Ministry of Environment and Forests as well as the state PCB.
ix	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/ Municipal	<b>Complied.</b> Copy of EC order was communicated to general public as well as local <i>panchayat</i> .

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
	Corporation, Urban localBody and the local NGO, if any, from who suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Refer <b>Annexure XVI</b> for acknowledgement for the Submission of EC Copy to general public as well as local panchayat.
x	The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhopal /State Pollution Control Board / Central Pollution Control Board	It will be abided.
xi	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the State Pollution Control Board.	Noted and it will be complied.
xii	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 by e-mail.	Noted and Complied Submitted form V attached as an <b>Annexure XVII</b>
xiii	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 State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at	<b>Complied</b> Advertisement was published in the newspaper - Refer <b>Annexure XVIII</b> for the same

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
	http://envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.	
xiv	The Project Authorities shall inform the Regional Office as well as the Ministry the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.	<b>Noted.</b>
6	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	<b>Noted.</b>
7	The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.	<b>Noted.</b>
8	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.	<b>Noted.</b>
9	The above conditions will be enforced, inter- alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Trans boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	<b>Noted.</b>

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TEST CERTIFICATE				
Report No: GESEC/PRO/2022-23/11/523		Date of Report		18/11/2022
Client Name and Address: M/s. Vilas Sahakari Sakhar Karkhana Ltd., (Sugar and Co-Gen Plant) 553,554,656,Vishalinagar Nivli, Tal. - Latur, Dist.- Latur.		Date of Sampling		14/11/2022
		Start Date of Analysis		14/11/2022
		End Date of Analysis		18/11/2022
		Sample Details		Boiler
		Sample Location		Stack
		Time of Sampling		10.30
Sample Collected By		Client		
Analysis Report				
Sr. No.	Parameter	Result	Unit(s)	Limit as per the MPCB consent
1.	Material of stack	RCC	-	
2.	Stack height above roof	65	Mtr	
3.	Type of stack	Round	-	
4.	Sampling Duration	30	Min	
5.	Flue gas temperature	439	°K	
6.	Differential pressure	2.9	mmWG	
7.	Velocity	6.97	M/s	
8.	Dimension of stack	3.75	Mtr.	
9.	Stack Area	11.0390	M <sup>2</sup>	
10.	Gas Volume	188272.35	NM <sup>3</sup> /hr.	
11.	Fuel Used	Baggase	--	
12.	Particulate Matter	75.2	mg/NM <sup>3</sup>	≤ 150
13.	Sulphur Dioxide (SO <sub>2</sub> )	35.5	mg/NM <sup>3</sup>	-
14.	Oxide of Nitrogen (NO <sub>x</sub> )	37.5	mg/NM <sup>3</sup>	-
<b>Remark-</b>				
<ul style="list-style-type: none"> <li>➤ All above results are well within MPCB limit.</li> <li>➤ N.S – Not Specified.</li> </ul>				
				 <b>Mr. Vinod Hande</b> (Technical Manager) Reviewed & Authorized By

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### TEST CERTIFICATE

<b>Report No: GESEC/PRO/2022-23/02/681</b>	<b>Date of Report</b>	16/02/2023
<b>Client Name and Address:</b> M/s. Vilas Sahakari Sakhar Karkhana Ltd., (Sugar and Co-Gen Plant) 553,554,656,Vishalinagar Nivli, Tal. - Latur, Dist.- Latur.	<b>Date of Sampling</b>	23/02/2023
	<b>Start Date of Analysis</b>	15/02/2023
	<b>End Date of Analysis</b>	23/02/2023
	<b>Sample Details</b>	Boiler
	<b>Sample Location</b>	Stack
	<b>Time of Sampling</b>	10.30
<b>Sample Collected By</b>	Client	

### Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Limit as per the MPCB consent
1.	Material of stack	RCC	-	
2.	Stack height above roof	65	Mtr	
3.	Type of stack	Round	-	
4.	Sampling Duration	30	Min	
5.	Flue gas temperature	439	°K	
6.	Differential pressure	2.7	mmWG	
7.	Velocity	6.73	M/s	
8.	Dimension of stack	3.75	Mtr.	
9.	Stack Area	11.0390	M <sup>2</sup>	
10.	Gas Volume	181664.23	NM <sup>3</sup> /hr.	
11.	Fuel Used	Baggase	--	
12.	Particulate Matter	75.3	mg/NM <sup>3</sup>	≤ 150
13.	Sulphur Dioxide (SO <sub>2</sub> )	35.6	mg/NM <sup>3</sup>	-
14.	Oxide of Nitrogen (NO <sub>x</sub> )	36.1	mg/NM <sup>3</sup>	-

**Remark-**

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- N.S – Not Specified.



*Hande*  
Mr. Vinod Hande  
(Technical Manager)  
Reviewed & Authorized By

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### TEST CERTIFICATE

<b>Report No: GESEC/PRO/2022-23/12/414</b>	<b>Date of Report</b>	19/12/2022
<b>Client Name and Address:</b> M/s. Vilas Sahakari Sakhar Karkhana Ltd., (Sugar and Co-Gen Plant) 553,554,656,Vishalinagar Nivli, Tal. - Latur, Dist.- Latur.	<b>Date of Sampling</b>	12/12/2022
	<b>Start Date of Analysis</b>	13/12/2022
	<b>End Date of Analysis</b>	19/12/2022
	<b>Sample Details</b>	Boiler
	<b>Sample Location</b>	Stack
	<b>Time of Sampling</b>	10.30
<b>Sample Collected By</b>	Client	

### Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Limit as per the MPCB consent
1.	Material of stack	RCC	-	
2.	Stack height above roof	65	Mtr	
3.	Type of stack	Round	-	
4.	Sampling Duration	30	Min	
5.	Flue gas temperature	433	<sup>o</sup> K	
6.	Differential pressure	2.8	mmWG	
7.	Velocity	6.81	M/s	
8.	Dimension of stack	3.75	Mtr.	
9.	Stack Area	11.0390	M <sup>2</sup>	
10.	Gas Volume	186275.12	NM <sup>3</sup> /hr.	
11.	Fuel Used	Baggase	--	
12.	Particulate Matter	72.3	mg/NM <sup>3</sup>	≤ 150
13.	Sulphur Dioxide (SO <sub>2</sub> )	32.5	mg/NM <sup>3</sup>	-
14.	Oxide of Nitrogen (NO <sub>x</sub> )	35.2	mg/NM <sup>3</sup>	-

**Remark-**

- All above results are well within MPCB limit.
- N.S – Not Specified.





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TEST CERTIFICATE				
Report No: GESEC/PRO/2022-23/03/585		Date of Report		22/03/2023
Client Name and Address: M/s. Vilas Sahakari Sakhar Karkhana Ltd., (Sugar and Co-Gen Plant) 553,554,656,Vishalinagar Nivli, Tal. - Latur, Dist.- Latur.		Date of Sampling		15/03/2023
		Start Date of Analysis		14/03/2023
		End Date of Analysis		22/03/2023
		Sample Details		Boiler
		Sample Location		Stack
		Time of Sampling		10.30
Sample Collected By		Client		
Analysis Report				
Sr. No.	Parameter	Result	Unit(s)	Limit as per the MPCB consent
1.	Material of stack	RCC	-	
2.	Stack height above roof	65	Mtr	
3.	Type of stack	Round	-	
4.	Sampling Duration	30	Min	
5.	Flue gas temperature	430	<sup>o</sup> K	
6.	Differential pressure	2.5	mmWG	
7.	Velocity	6.41	M/s	
8.	Dimension of stack	3.75	Mtr.	
9.	Stack Area	11.0390	M <sup>2</sup>	
10.	Gas Volume	176626.38	NM <sup>3</sup> /hr.	
11.	Fuel Used	Baggase	--	
12.	Particulate Matter	74.6	mg/NM <sup>3</sup>	≤ 150
13.	Sulphur Dioxide (SO <sub>2</sub> )	33.6	mg/NM <sup>3</sup>	-
14.	Oxide of Nitrogen (NO <sub>x</sub> )	36.2	mg/NM <sup>3</sup>	-
Remark-				
<ul style="list-style-type: none"> <li>➤ All above results are well within MPCB limit.</li> <li>➤ N.S – Not Specified.</li> </ul>				
			 <b>Mr. Vinod Hande</b> (Technical Manager) Reviewed & Authorized By	
				

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GESEC

### TEST CERTIFICATE

<b>Report No: GESEC/PRO/2022-23/01/422</b>	<b>Date of Report</b>	19/01/2023
<b>Client Name and Address:</b> M/s. Vilas Sahakari Sakhar Karkhana Ltd., (Sugar and Co-Gen Plant) 553,554,656,Vishalinagar Nivli, Tal. - Latur, Dist.- Latur.	<b>Date of Sampling</b>	12/01/2023
	<b>Start Date of Analysis</b>	13/01/2023
	<b>End Date of Analysis</b>	19/01/2023
	<b>Sample Details</b>	Boiler
	<b>Sample Location</b>	Stack
	<b>Time of Sampling</b>	10.30
<b>Sample Collected By</b>	Client	

### Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Limit as per the MPCB consent
1.	Material of stack	RCC	-	
2.	Stack height above roof	65	Mtr	
3.	Type of stack	Round	-	
4.	Sampling Duration	30	Min	
5.	Flue gas temperature	435	<sup>o</sup> K	
6.	Differential pressure	2.5	mmWG	
7.	Velocity	6.45	M/s	
8.	Dimension of stack	3.75	Mtr.	
9.	Stack Area	11.0390	M <sup>2</sup>	
10.	Gas Volume	175608.3	NM <sup>3</sup> /hr.	
11.	Fuel Used	Baggase	--	
12.	Particulate Matter	71.5	mg/NM <sup>3</sup>	≤ 150
13.	Sulphur Dioxide (SO <sub>2</sub> )	36.3	mg/NM <sup>3</sup>	-
14.	Oxide of Nitrogen (NO <sub>x</sub> )	34.2	mg/NM <sup>3</sup>	-

**Remark-**

- All above results are well within MPCB limit.
- N.S – Not Specified.




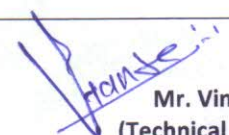
**Mr. Vinod Hande**  
(Technical Manager)  
Reviewed & Authorized By

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GESEC

TEST CERTIFICATE					
Report No: GESEC/PRO/2021-22/12/658		Date of Report		19/12/2022	
Client Name and Address: M/s. Vilas Sahakari Sakhar Karkhana Ltd., (Sugar and Co-Gen Plant) 553,554,656,Vishalinagar Nivli, Tal. - Latur, Dist.- Latur.		Date of Sampling		12/12/2022	
		Start Date of Analysis		13/12/2022	
		End Date of Analysis		19/12/2022	
		Sample Details		Sugar ETP Outlet	
		Nature of sample		Liquid	
Sample Collected By		Client			
Water Analysis Report					
Sr. No.	Parameter	Result	MPCB Limit	Unit(s)	Standard Method
1.	pH	8.11	5.5-9.0	--	APHA 4500 H+,B 23rd Edition.2017
2.	Oil & Grease	0.1	<10	mg/lit	IS 3025 (Part 39), 2019
3.	BOD at 27°C for 3 days	43.6	<100	mg/lit	IS 3025 (Part 44), 2019
4.	COD	171.27	<250	mg/lit	IS 3025 (Part 58) , 2019
5.	Suspended solid	59.42	<100	mg/lit	APHA 2540 D 23 <sup>rd</sup> ED:2017
6.	Sulphate	142.98	<1000	mg/lit	IS:3025 Part-24:2019
7.	Chlorides	215.02	<600	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
8.	Total Dissolved Solid	1247.6	<2100	mg/lit	APHA 2540,C,23rd Edition, 2017
<b>Remark:</b>					
➤ All parameters are within the MPCB limit.					
					
				 <b>Mr. Vinod Hande</b> (Technical Manager) Reviewed & Authorized By	

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GESEC

**TEST CERTIFICATE**

<b>Report No: GESEC/PRO/2021-22/12/657</b>	<b>Date of Report</b>	19/12/2022
<b>Client Name and Address:</b> M/s. Vilas Sahakari Sakhar Karkhana Ltd., (Sugar and Co-Gen Plant) 553,554,656,Vishalinagar Nivli, Tal. - Latur, Dist.- Latur.	<b>Date of Sampling</b>	12/12/2022
	<b>Start Date of Analysis</b>	13/12/2022
	<b>End Date of Analysis</b>	19/12/2022
	<b>Sample Details</b>	Sugar ETP Inlet
	<b>Nature of sample</b>	Liquid
<b>Sample Collected By</b>	Client	

**Water Analysis Report**

Sr. No.	Parameter	Result	Unit(s)	Standard Method
1.	pH	5.87	--	APHA 4500 H+,B 23rd Edition.2017
2.	Oil & Grease	3.6	mg/lit	IS 3025 (Part 39), 2019
3.	BOD at 27°C for 3 days	649.5	mg/lit	IS 3025 (Part 44), 2019
4.	COD	2598.31	mg/lit	IS 3025 (Part 58) , 2019
5.	Suspended solid	521.4	mg/lit	APHA 2540 D 23 <sup>rd</sup> ED:2017
6.	Sulphate	537.02	mg/lit	IS:3025 Part-24:2019
7.	Chlorides	466.94	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
8.	Total Dissolved Solid	1363.27	mg/lit	APHA 2540,C,23rd Edition, 2017



*Hande*  
**Mr. Vinod Hande**  
(Technical Manager)  
Reviewed & Authorized By

**VILAS S.S.K. LTD.**

Vaishalinagar, Nivli

Inword No. 174

Date 23/06/23

Clark (Signature)

F.W. to: Investment Emg.  
As per instruction of Hon.M.D. Sir  
Pl. take necessary action.

*(Signature)*  
Administrative officer

*(Signature)*  
Secretary

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GESEC

**TEST CERTIFICATE**

<b>Report No: GESEC/PRO/2022-23/03/521</b>	<b>Date of Report</b>	22/03/2023
<b>Client Name and Address:</b> <b>M/s. Vilas Sahakari Sakhar Karkhana Ltd.,</b> <b>(Sugar and Co-Gen Plant)</b> <b>553,554,656,Vishalinagar Nivli,</b> <b>Tal. - Latur, Dist.- Latur.</b>	<b>Date of Sampling</b>	15/03/2023
	<b>Start Date of Analysis</b>	14/03/2023
	<b>End Date of Analysis</b>	22/03/2023
	<b>Sample Details</b>	Sugar ETP Inlet
	<b>Nature of sample</b>	Liquid
<b>Sample Collected By</b>	Client	

**Water Analysis Report**

Sr. No.	Parameter	Result	Unit(s)	Standard Method
1.	pH	5.21	--	APHA 4500 H+,B 23rd Edition.2017
2.	Oil & Grease	3.7	mg/lit	IS 3025 (Part 39), 2019
3.	BOD at 27°C for 3 days	611.4	mg/lit	IS 3025 (Part 44), 2019
4.	COD	2401.98	mg/lit	IS 3025 (Part 58) , 2019
5.	Suspended solid	432.19	mg/lit	APHA 2540 D 23 <sup>rd</sup> ED:2017
6.	Sulphate	511.73	mg/lit	IS:3025 Part-24:2019
7.	Chlorides	432.49	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
8.	Total Dissolved Solid	1764.70	mg/lit	APHA 2540,C,23rd Edition, 2017



*Hande*  
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**(Technical Manager)**  
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GESEC

**TEST CERTIFICATE**

<b>Report No: GESEC/PRO/2022-23/03/522</b>	<b>Date of Report</b>	22/03/2023
<b>Client Name and Address:</b> M/s. Vilas Sahakari Sakhar Karkhana Ltd., (Sugar and Co-Gen Plant) 553,554,656,Vishalinagar Nivli, Tal. - Latur, Dist.- Latur.	<b>Date of Sampling</b>	15/03/2023
	<b>Start Date of Analysis</b>	14/03/2023
	<b>End Date of Analysis</b>	22/03/2023
	<b>Sample Details</b>	Sugar ETP Outlet
	<b>Nature of sample</b>	Liquid
<b>Sample Collected By</b>	Client	

**Water Analysis Report**

Sr. No.	Parameter	Result	MPCB Limit	Unit(s)	Standard Method
1.	pH	7.25	5.5-9.0	--	APHA 4500 H+,B 23rd Edition.2017
2.	Oil & Grease	0.4	<10	mg/lit	IS 3025 (Part 39), 2019
3.	BOD at 27°C for 3 days	42.95	<100	mg/lit	IS 3025 (Part 44), 2019
4.	COD	167.4	<250	mg/lit	IS 3025 (Part 58), 2019
5.	Suspended solid	57.3	<100	mg/lit	APHA 2540 D 23 <sup>rd</sup> ED:2017
6.	Sulphate	147.21	<1000	mg/lit	IS:3025 Part-24:2019
7.	Chlorides	214.46	<600	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
8.	Total Dissolved Solid	1045.1	<2100	mg/lit	APHA 2540,C,23rd Edition, 2017

**Remark:**

- All parameters are within the MPCB limit.



*Hande*  
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 (Technical Manager)  
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GESEC

**TEST CERTIFICATE**

<b>Report No: GESEC/PRO/2022-23/02/588</b>	<b>Date of Report</b>	16/02/2023
<b>Client Name and Address:</b> M/s. Vilas Sahakari Sakhar Karkhana Ltd., (Sugar and Co-Gen Plant) 553,554,656,Vishalinagar Nivli, Tal. - Latur, Dist.- Latur.	<b>Date of Sampling</b>	23/02/2023
	<b>Start Date of Analysis</b>	15/02/2023
	<b>End Date of Analysis</b>	23/02/2023
	<b>Sample Details</b>	Sugar ETP Outlet
	<b>Nature of sample</b>	Liquid
<b>Sample Collected By</b>	Client	

**Water Analysis Report**

Sr. No.	Parameter	Result	MPCB Limit	Unit(s)	Standard Method
1.	pH	7.85	5.5-9.0	--	APHA 4500 H+,B 23rd Edition.2017
2.	Oil & Grease	0.3	<10	mg/lit	IS 3025 (Part 39), 2019
3.	BOD at 27°C for 3 days	46.27	<100	mg/lit	IS 3025 (Part 44), 2019
4.	COD	174.32	<250	mg/lit	IS 3025 (Part 58) , 2019
5.	Suspended solid	53.3	<100	mg/lit	APHA 2540 D 23 <sup>rd</sup> ED:2017
6.	Sulphate	147.21	<1000	mg/lit	IS:3025 Part-24:2019
7.	Chlorides	212.46	<600	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
8.	Total Dissolved Solid	1145.1	<2100	mg/lit	APHA 2540,C,23rd Edition, 2017

**Remark:**

➤ All parameters are within the MPCB limit.



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GESEC

**TEST CERTIFICATE**

<b>Report No: GESEC/PRO/2022-23/02/587</b>	<b>Date of Report</b>	16/02/2023
<b>Client Name and Address:</b> M/s. Vilas Sahakari Sakhar Karkhana Ltd., (Sugar and Co-Gen Plant) 553,554,656,Vishalinagar Nivli, Tal. - Latur, Dist.- Latur.	<b>Date of Sampling</b>	23/02/2023
	<b>Start Date of Analysis</b>	15/02/2023
	<b>End Date of Analysis</b>	23/02/2023
	<b>Sample Details</b>	Sugar ETP Inlet
	<b>Nature of sample</b>	Liquid
<b>Sample Collected By</b>	Client	

**Water Analysis Report**

Sr. No.	Parameter	Result	Unit(s)	Standard Method
1.	pH	6.01	--	APHA 4500 H+,B 23rd Edition.2017
2.	Oil & Grease	4.0	mg/lit	IS 3025 (Part 39), 2019
3.	BOD at 27°C for 3 days	619.3	mg/lit	IS 3025 (Part 44), 2019
4.	COD	2478.1	mg/lit	IS 3025 (Part 58) , 2019
5.	Suspended solid	547	mg/lit	APHA 2540 D 23 <sup>rd</sup> ED:2017
6.	Sulphate	521.21	mg/lit	IS:3025 Part-24:2019
7.	Chlorides	453.15	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
8.	Total Dissolved Solid	1789.47	mg/lit	APHA 2540,C,23rd Edition, 2017



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<b>Report No: GESEC/PRO/2022-23/01/681</b>	<b>Date of Report</b>	19/01/2023
<b>Client Name and Address:</b> M/s. Vilas Sahakari Sakhar Karkhana Ltd., (Sugar and Co-Gen Plant) 553,554,656,Vishalinagar Nivli, Tal. - Latur, Dist.- Latur.	<b>Date of Sampling</b>	12/01/2023
	<b>Start Date of Analysis</b>	13/01/2023
	<b>End Date of Analysis</b>	19/01/2023
	<b>Sample Details</b>	Sugar ETP Outlet
	<b>Nature of sample</b>	Liquid
<b>Sample Collected By</b>	Client	

**Water Analysis Report**

Sr. No.	Parameter	Result	MPCB Limit	Unit(s)	Standard Method
1.	pH	7.90	5.5-9.0	--	APHA 4500 H+,B 23rd Edition.2017
2.	Oil & Grease	0.2	<10	mg/lit	IS 3025 (Part 39), 2019
3.	BOD at 27°C for 3 days	41.23	<100	mg/lit	IS 3025 (Part 44), 2019
4.	COD	163.46	<250	mg/lit	IS 3025 (Part 58) , 2019
5.	Suspended solid	62.1	<100	mg/lit	APHA 2540 D 23 <sup>rd</sup> ED:2017
6.	Sulphate	143.74	<1000	mg/lit	IS:3025 Part-24:2019
7.	Chlorides	221.69	<600	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
8.	Total Dissolved Solid	1341.2	<2100	mg/lit	APHA 2540,C,23rd Edition, 2017

**Remark:**

➤ All parameters are within the MPCB limit.



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<b>Client Name and Address:</b> M/s. Vilas Sahakari Sakhar Karkhana Ltd., (Sugar and Co-Gen Plant) 553,554,656,Vishalinagar Nivli, Tal. - Latur, Dist.- Latur.	<b>Date of Sampling</b>	12/01/2023
	<b>Start Date of Analysis</b>	13/01/2023
	<b>End Date of Analysis</b>	19/01/2023
	<b>Sample Details</b>	Sugar ETP Inlet
	<b>Nature of sample</b>	Liquid
<b>Sample Collected By</b>	Client	

**Water Analysis Report**

Sr. No.	Parameter	Result	Unit(s)	Standard Method
1.	pH	5.84	--	APHA 4500 H+,B 23rd Edition.2017
2.	Oil & Grease	3.9	mg/lit	IS 3025 (Part 39), 2019
3.	BOD at 27°C for 3 days	714.2	mg/lit	IS 3025 (Part 44), 2019
4.	COD	2897.1	mg/lit	IS 3025 (Part 58) , 2019
5.	Suspended solid	583.2	mg/lit	APHA 2540 D 23 <sup>rd</sup> ED:2017
6.	Sulphate	598.14	mg/lit	IS:3025 Part-24:2019
7.	Chlorides	439.67	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
8.	Total Dissolved Solid	1687.21	mg/lit	APHA 2540,C,23rd Edition, 2017




*V. Hande*  
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 (Technical Manager)  
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TEST CERTIFICATE					
Report No: GESEC/PRO/2022-23/11/458		Date of Report		18/11/2022	
Client Name and Address: M/s. Vilas Sahakari Sakhar Karkhana Ltd., (Sugar and Co-Gen Plant) 553,554,656,Vishalinagar Nivli, Tal. - Latur, Dist.- Latur.		Date of Sampling		14/11/2022	
		Start Date of Analysis		14/11/2022	
		End Date of Analysis		18/11/2022	
		Sample Details		Sugar ETP Outlet	
		Nature of sample		Liquid	
Sample Collected By		Client			
Water Analysis Report					
Sr. No.	Parameter	Result	MPCB Limit	Unit(s)	Standard Method
1.	pH	6.15	5.5-9.0	--	APHA 4500 H+,B 23rd Edition.2017
2.	Oil & Grease	0.1	<10	mg/lit	IS 3025 (Part 39), 2019
3.	BOD at 27°C for 3 days	45.93	<100	mg/lit	IS 3025 (Part 44), 2019
4.	COD	179.22	<250	mg/lit	IS 3025 (Part 58) , 2019
5.	Suspended solid	47.65	<100	mg/lit	APHA 2540 D 23 <sup>rd</sup> ED:2017
6.	Sulphate	143.78	<1000	mg/lit	IS:3025 Part-24:2019
7.	Chlorides	214.22	<600	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
8.	Total Dissolved Solid	1297.31	<2100	mg/lit	APHA 2540,C,23rd Edition, 2017
Remark: ➤ All parameters are within the MPCB limit.					
				 <b>Mr. Vinod Hande</b> (Technical Manager) Reviewed & Authorized By	




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GESEC

TEST CERTIFICATE				
Report No: GESEC/PRO/2022-23/11/457		Date of Report		18/11/2022
Client Name and Address: M/s. Vilas Sahakari Sakhar Karkhana Ltd., (Sugar and Co-Gen Plant) 553,554,656,Vishalinagar Nivli, Tal. - Latur, Dist.- Latur.		Date of Sampling		14/11/2022
		Start Date of Analysis		14/11/2022
		End Date of Analysis		18/11/2022
		Sample Details		Sugar ETP Inlet
		Nature of sample		Liquid
Sample Collected By		Client		
Water Analysis Report				
Sr. No.	Parameter	Result	Unit(s)	Standard Method
1.	pH	5.89	--	APHA 4500 H+,B 23rd Edition.2017
2.	Oil & Grease	3.4	mg/lit	IS 3025 (Part 39), 2019
3.	BOD at 27°C for 3 days	683.16	mg/lit	IS 3025 (Part 44), 2019
4.	COD	2732.64	mg/lit	IS 3025 (Part 58) , 2019
5.	Suspended solid	611.45	mg/lit	APHA 2540 D 23 <sup>rd</sup> ED:2017
6.	Sulphate	532.96	mg/lit	IS:3025 Part-24:2019
7.	Chlorides	446.22	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
8.	Total Dissolved Solid	1424.98	mg/lit	APHA 2540,C,23rd Edition, 2017
			 <b>Mr. Vinod Hande</b> (Technical Manager) Reviewed & Authorized By	

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<b>Client Name and Address:</b> M/s. Vilas Sahakari Sakhar Karkhana Ltd., (Sugar and Co-Gen Plant) 553,554,656,Vishalinagar Nivli, Tal. - Latur, Dist.- Latur.	<b>Date of Sampling</b>	12/01/2023
	<b>Start Date of Analysis</b>	13/01/2023
	<b>End Date of Analysis</b>	19/01/2023
	<b>Sample Details</b>	Sugar ETP Inlet
	<b>Nature of sample</b>	Liquid
<b>Sample Collected By</b>	Client	

**Water Analysis Report**

Sr. No.	Parameter	Result	Unit(s)	Standard Method
1.	pH	5.84	--	APHA 4500 H+,B 23rd Edition.2017
2.	Oil & Grease	3.9	mg/lit	IS 3025 (Part 39), 2019
3.	BOD at 27°C for 3 days	714.2	mg/lit	IS 3025 (Part 44), 2019
4.	COD	2897.1	mg/lit	IS 3025 (Part 58) , 2019
5.	Suspended solid	583.2	mg/lit	APHA 2540 D 23 <sup>rd</sup> ED:2017
6.	Sulphate	598.14	mg/lit	IS:3025 Part-24:2019
7.	Chlorides	439.67	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
8.	Total Dissolved Solid	1687.21	mg/lit	APHA 2540,C,23rd Edition, 2017



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<b>Client Name and Address:</b> M/s. Vilas Sahakari Sakhar Karkhana Ltd., (Sugar and Co-Gen Plant) 553,554,656,Vishalinagar Nivli, Tal. - Latur, Dist.- Latur.	<b>Date of Sampling</b>	12/01/2023
	<b>Start Date of Analysis</b>	13/01/2023
	<b>End Date of Analysis</b>	19/01/2023
	<b>Sample Details</b>	Sugar ETP Outlet
	<b>Nature of sample</b>	Liquid
<b>Sample Collected By</b>	Client	

**Water Analysis Report**

Sr. No.	Parameter	Result	MPCB Limit	Unit(s)	Standard Method
1.	pH	7.90	5.5-9.0	--	APHA 4500 H+,B 23rd Edition.2017
2.	Oil & Grease	0.2	<10	mg/lit	IS 3025 (Part 39), 2019
3.	BOD at 27°C for 3 days	41.23	<100	mg/lit	IS 3025 (Part 44), 2019
4.	COD	163.46	<250	mg/lit	IS 3025 (Part 58) , 2019
5.	Suspended solid	62.1	<100	mg/lit	APHA 2540 D 23 <sup>rd</sup> ED:2017
6.	Sulphate	143.74	<1000	mg/lit	IS:3025 Part-24:2019
7.	Chlorides	221.69	<600	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
8.	Total Dissolved Solid	1341.2	<2100	mg/lit	APHA 2540,C,23rd Edition, 2017

**Remark:**

➤ All parameters are within the MPCB limit.



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Photographs of OCMS to Stack



Annexure II - Photographs of OCMS at Stack & ETP

OCMS to ETP





DG Set with Acoustic Enclosure

Annexure IV - DG Set with Acoustic Enclosure





# VILAS SAHAKARI SAKHAR KARKHANA

Vaishalinagar Nivli, Tq.Dist.Latur (M.S.)

Maharashtra pollution control board has granted consent as detailed below

Consent No.Format 1.0/BO/CAC-CELL/UAN No.0000052223/R/CAC-1901001252 Dated : 18-01-2019 Valid upto : 31-

### Effluent Discharge details

Sr.No	Type	Quantity CMD	Disposal
01	Industrial Effluent	415 (Sugar 330 + Co-gen 85)	85 CMD Shall be 100% Recycle and 330 CMD shall be on land for irrigation
02	Domestic Effluent	25	On land for irrigation

### Air Emission Details

Sr.No.	Parameters	Limits	Quantity
01	Particulate matter	150 mg / Nm <sup>3</sup>	-
02	SO <sub>2</sub>	-	-

### Hazardous waste details

Sr.No	Type	Category	Quantity MT/Month	Disposal
01	Used / Spent Oil	5.1	0.8	Reuse in own boiler as fuel
02	-	-	-	-

### Hazardous Chemical Handled

Sr.No	Name	Quantity	No
01	-	-	-
02	-	-	-



# Photographs of Piezometer

## Annexure Vii - Photograph of Piezometer & Piezometer Data




M/s. Vilas shakari sakhar karkhana Ltd. Vaishalinagar Nivli  
Village Nivli, Tal- Latur,  
Dist-Latur

Pizometer water level Data



May-23		
05/31/2023	11:00:00	41.4
05/30/2023	12:00:00	41.5
05/29/2023	09:00:00	41.4
05/28/2023	09:00:00	41.4
05/27/2023	14:00:00	41.4
05/26/2023	10:00:00	41.3
05/25/2022	10:00:00	41.2
05/24/2023	14:00:00	41.3
05/23/2023	18:00:00	41.4
05/22/2023	14:00:00	41.4
05/21/2023	12:00:00	41.3
05/20/2023	09:00:00	41.3
05/19/2023	10:00:00	41.4
05/18/2023	16:00:00	41.4
05/17/2023	12:00:00	41.4
05/16/2023	10:00:00	41.3
05/15/2023	14:00:00	41.3
05/14/2023	10:00:00	41.4
05/13/2023	10:00:00	41.4
05/12/2023	09:00:00	41.4
05/11/2023	12:00:00	41.3
05/10/2023	10:00:00	41.3
05/09/2023	10:00:00	41.2
05/08/2023	11:00:00	41.1
05/07/2023	11:00:00	41.2
05/06/2023	09:00:00	41.1
05/05/2023	10:00:00	41.2
05/04/2023	12:00:00	41.1
05/03/2023	10:00:00	41.2
05/02/2023	10:00:00	41.2
05/01/2023	10:00:00	41.1
Apr-23		
04/30/2023	09:00:00	40.8
04/29/2023	12:00:00	40.8
04/28/2023	09:00:00	40.7
04/27/2023	09:00:00	40.5

  
Managing Director  
Vilas Sahakari Sakhar Karkhana Ltd  
Vaishalinagar, Nivli Tq. & Dist. Latur

04/26/2023	14:00:00	40.4
04/25/2023	10:00:00	40.2
04/24/2023	09:00:00	40.1
04/23/2023	14:00:00	39.8
04/22/2023	09:00:00	39.5
04/21/2023	14:00:00	39.4
04/20/2023	12:00:00	39.3
04/19/2023	09:00:00	39.2
04/18/2023	10:00:00	38.8
04/17/2023	16:00:00	38.7
04/16/2023	12:00:00	38.7
04/15/2023	10:00:00	37.6
04/14/2023	14:00:00	37.4
04/13/2023	10:00:00	37.1
04/12/2023	10:00:00	36.9
04/11/2023	09:00:00	36.8
04/10/2023	12:00:00	36.6
04/09/2023	10:00:00	36.2
04/08/2023	10:00:00	35.3
04/07/2023	11:00:00	35.2
04/06/2023	11:00:00	35.5
04/05/2023	09:00:00	34.3
04/04/2023	13:00:00	34.7
04/03/2023	12:00:00	34.3
04/02/2023	11:00:00	34.2
04/01/2023	09:00:00	34.1
<b>Mar-23</b>		
03/31/2023	11:00:00	34
03/30/2023	12:00:00	33.9
03/29/2023	14:00:00	33.8
03/28/2023	13:00:00	33.7
03/27/2023	12:00:00	33.6
03/26/2023	09:00:00	33.5
03/25/2023	10:00:00	33.5
03/24/2023	09:00:00	33.4
03/23/2023	14:00:00	33.3
03/22/2023	10:00:00	33.1
03/21/2023	14:00:00	33.1
03/20/2023	18:00:00	33
03/19/2023	19:00:00	32.9
03/18/2023	18:00:00	32.8
03/17/2023	09:00:00	32.6
03/16/2023	10:00:00	32.5
03/15/2023	15:00:00	32.4
03/14/2023	14:00:00	32.3
03/13/2023	13:00:00	32.2
03/12/2023	12:00:00	32.1
03/11/2023	11:00:00	31
03/10/2023	10:00:00	31



03/09/2023	09:00:00	30.5
03/08/2023	08:00:00	30.2
03/07/2023	09:00:00	30.1
03/06/2023	10:00:00	30.2
03/05/2023	10:00:00	31.3
03/04/2023	11:00:00	30.2
03/03/2023	11:00:00	29.8
03/02/2023	12:00:00	29.7
03/01/2023	11:00:00	29.5
<b>Feb-23</b>		
02/28/2023	12:00:00	28.9
02/27/2023	12:00:00	28.7
02/26/2023	09:00:00	28.5
02/25/2023	09:00:00	28.4
02/24/2023	14:00:00	28.3
02/23/2023	10:00:00	28.1
02/22/2023	10:00:00	27.9
02/21/2023	14:00:00	27.7
02/20/2023	18:00:00	27.5
02/19/2023	14:00:00	27.4
02/18/2023	12:00:00	27.3
02/17/2023	09:00:00	27.1
02/16/2023	10:00:00	27
02/15/2023	16:00:00	26.5
02/14/2023	12:00:00	26.4
02/13/2023	10:00:00	26.3
02/12/2023	14:00:00	26.2
02/11/2023	10:00:00	26.1
02/10/2023	10:00:00	26
02/09/2023	09:00:00	25
02/08/2023	12:00:00	25.4
02/07/2023	12:00:00	25.5
02/06/2023	10:00:00	25.7
02/05/2023	10:00:00	25.6
02/04/2023	11:00:00	25.5
02/03/2023	11:00:00	25.4
02/02/2023	09:00:00	25.3
02/01/2023	13:00:00	25.3
<b>Jan-23</b>		
01/31/2023	11:00:00	25.1
01/30/2023	10:00:00	24.8
01/29/2023	12:00:00	24.8
01/28/2023	13:00:00	24.6
01/27/2023	12:00:00	24.5
01/26/2023	10:00:00	24.3
01/25/2023	09:00:00	24.1
01/24/2023	10:00:00	24.1
01/23/2023	14:00:00	23.8



01/22/2023	18:00:00	23.9
01/21/2023	19:00:00	23.5
01/20/2023	18:00:00	23.4
01/19/2023	09:00:00	23.5
01/18/2023	10:00:00	23.2
01/17/2023	11:00:00	23.1
01/16/2023	14:00:00	22.9
01/15/2023	13:00:00	22.7
01/14/2023	12:00:00	22.7
01/13/2023	11:00:00	22.3
01/12/2023	10:00:00	22.1
01/11/2023	09:00:00	21.8
01/10/2023	08:00:00	21.7
01/09/2023	09:00:00	21.6
01/08/2023	10:00:00	21.6
01/07/2023	09:00:00	21.1
01/06/2023	11:00:00	21.1
01/05/2023	11:00:00	21
01/04/2023	12:00:00	21
01/03/2023	11:00:00	20.9
01/02/2023	12:00:00	20.8
01/01/2023	11:00:00	20.4
<b>Dec-22</b>		
12/31/2022	09:00:00	20.2
12/30/2022	09:00:00	20.1
12/29/2022	09:00:00	20
12/28/2022	12:00:00	19.9
12/27/2022	09:00:00	19.6
12/26/2022	09:00:00	19.5
12/25/2022	14:00:00	19.4
12/24/2022	10:00:00	19.4
12/23/2022	09:00:00	19.4
12/22/2022	14:00:00	19.3
12/21/2022	09:00:00	19.2
12/20/2022	14:00:00	19.1
12/19/2022	12:00:00	18.8
12/18/2022	09:00:00	18.6
12/17/2022	10:00:00	18.5
12/16/2022	16:00:00	18.4
12/15/2022	12:00:00	18.2
12/14/2022	10:00:00	18.1
12/13/2022	14:00:00	17.9
12/12/2022	10:00:00	17.8
12/11/2022	10:00:00	17.6
12/10/2022	09:00:00	17.5
12/09/2022	12:00:00	17.4
12/08/2022	10:00:00	17.3
12/07/2022	10:00:00	17.4
12/06/2022	11:00:00	17.2



12/05/2022	11:00:00	17.1
12/04/2022	09:00:00	17.1
12/03/2022	13:00:00	16.8
12/02/2022	12:00:00	16.7
12/01/2022	10:00:00	16.8
<b>Nov-22</b>		
11/30/2022	12:00:00	16.6
11/29/2022	10:00:00	16.5
11/28/2022	10:00:00	16.4
11/27/2022	14:00:00	16.3
11/26/2022	22:00:00	16.2
11/25/2022	21:00:00	16.1
11/24/2022	20:00:00	15.9
11/23/2022	19:00:00	15.8
11/22/2022	18:00:00	15.7
11/21/2022	17:00:00	15.6
11/20/2022	16:00:00	15.5
11/19/2022	15:00:00	15.4
11/18/2022	14:00:00	15.3
11/17/2022	13:00:00	15.2
11/16/2022	12:00:00	15.1
11/15/2022	11:00:00	14.9
11/14/2022	10:00:00	14.8
11/13/2022	22:00:00	14.6
11/12/2022	21:00:00	14.6
11/11/2022	20:00:00	14.7
11/10/2022	19:00:00	14.5
11/09/2022	18:00:00	14.5
11/08/2022	17:00:00	14.4
11/07/2022	16:00:00	14.4
11/06/2022	15:00:00	14.5
11/05/2022	14:00:00	14.4
11/04/2022	13:00:00	14.3
11/03/2022	12:00:00	14.2
11/02/2022	11:00:00	14
11/01/2022	10:00:00	13.9
<b>Oct-22</b>		
10/31/2022	10:00:00	13.8
10/30/2022	11:00:00	13.6
10/29/2022	12:00:00	13.5
10/28/2022	12:00:00	13.4
10/27/2022	09:00:00	13.2
10/26/2022	09:00:00	13.1
10/25/2022	14:00:00	13
10/24/2022	10:00:00	12.9
10/23/2022	10:00:00	12.7
10/22/2022	14:00:00	12.7



10/21/2022	18:00:00	12.6
10/20/2022	14:00:00	12.4
10/19/2022	12:00:00	12.3
10/18/2022	09:00:00	12.1
10/17/2022	10:00:00	11.8
10/16/2022	16:00:00	11.6
10/15/2022	12:00:00	11.5
10/14/2022	10:00:00	11.4
10/13/2022	14:00:00	11.3
10/12/2022	10:00:00	11.2
10/11/2022	10:00:00	11.1
10/10/2022	09:00:00	11.1
10/09/2022	12:00:00	11.3
10/08/2022	12:00:00	11.7
10/07/2022	10:00:00	11.3
10/06/2022	10:00:00	11.2
10/05/2022	11:00:00	11.1
10/04/2022	11:00:00	11
10/03/2022	09:00:00	11.3
10/02/2022	13:00:00	11.2
10/01/2022	12:00:00	11.1
<b>Sep-22</b>		
09/30/2022	09:00:00	11.2
09/29/2022	10:00:00	11.1
09/29/2022	12:00:00	11.1
09/28/2022	09:00:00	11
09/27/2022	10:00:00	11
09/27/2022	14:00:00	11.2
09/26/2022	10:00:00	11.1
09/25/2022	09:00:00	11.1
09/24/2022	10:00:00	11
09/23/2022	14:00:00	10.9
09/23/2022	14:00:00	10.9
09/22/2022	18:00:00	10.9
09/22/2022	18:00:00	10.9
09/21/2022	19:00:00	10.8
09/20/2022	18:00:00	10.8
09/19/2022	09:00:00	10.8
09/18/2022	10:00:00	10.7
09/17/2022	11:00:00	10.7
09/16/2022	12:00:00	10.7
09/16/2022	12:00:00	10.7
09/15/2022	10:00:00	10.7
09/14/2022	12:00:00	10.6
09/13/2022	10:00:00	10.6
09/13/2022	11:00:00	10.6
09/12/2022	10:00:00	10.5
09/11/2022	09:00:00	10.5
09/11/2022	09:00:00	10.5



09/10/2022	12:00:00	10.4
09/10/2022	12:00:00	10.4
09/09/2022	10:00:00	10.3
09/08/2022	09:00:00	10.3
09/08/2022	10:00:00	10.3
09/07/2022	11:00:00	10.2
09/07/2022	12:00:00	10.2
09/07/2022	10:00:00	10.2
09/06/2022	11:00:00	10.4
09/05/2022	09:00:00	10.4
09/05/2022	09:00:00	10.3
09/04/2022	13:00:00	10.2
09/03/2022	10:00:00	10.1
09/03/2022	10:00:00	10.1
09/02/2022	11:00:00	10.1
09/02/2022	11:00:00	10.1
09/01/2022	10:00:00	10.1
<b>Aug-22</b>		
08/31/2022	12:00:00	10.1
08/30/2022	10:00:00	10.1
08/29/2022	12:00:00	10
08/28/2022	09:00:00	10
08/27/2022	09:00:00	10
08/26/2022	12:00:00	9.09
08/25/2022	10:00:00	9.09
08/24/2022	10:00:00	9.09
08/23/2022	14:00:00	9.08
08/22/2022	18:00:00	9.08
08/21/2022	12:00:00	9.08
08/20/2022	11:00:00	9.07
08/19/2022	09:00:00	9.07
08/18/2022	10:00:00	9.07
08/17/2022	11:00:00	9.07
08/16/2022	12:00:00	9.07
08/15/2022	10:00:00	9.06
08/14/2022	12:00:00	9.06
08/13/2022	10:00:00	9.06
08/12/2022	10:00:00	9.06
08/11/2022	09:00:00	9.05
08/10/2022	12:00:00	9.05
08/10/2022	12:00:00	9.05
08/09/2022	10:00:00	9.05
08/08/2022	09:00:00	9.05
08/08/2022	10:00:00	9.04
08/07/2022	11:00:00	9.04
08/07/2022	12:00:00	9.04
08/06/2022	11:00:00	9.05
08/05/2022	09:00:00	9.04



08/04/2022	13:00:00	9.04
08/03/2022	10:00:00	9.03
08/03/2022	10:00:00	9.03
08/02/2022	11:00:00	9.04
08/02/2022	11:00:00	9.03
08/01/2022	09:00:00	9.02



Jul-22		
07/31/2022	10:00:00	9.02
07/30/2022	11:00:00	8.09
07/29/2022	12:00:00	8.09
07/29/2022	12:00:00	8.08
07/28/2022	09:00:00	8.07
07/27/2022	09:00:00	8.06
07/26/2022	14:00:00	8.05
07/25/2022	10:00:00	8.04
07/24/2022	10:00:00	8.03
07/23/2022	14:00:00	8.06
07/22/2022	18:00:00	8.06
07/21/2022	14:00:00	8.05
07/20/2022	12:00:00	8.06
07/19/2022	09:00:00	8.06
07/18/2022	10:00:00	8.06
07/17/2022	16:00:00	8.05
07/16/2022	12:00:00	8.04
07/15/2022	10:00:00	8.05
07/14/2022	14:00:00	8.06
07/13/2022	10:00:00	8.05
07/12/2022	10:00:00	8.05
07/11/2022	09:00:00	8.04
07/10/2022	12:00:00	8.05
07/10/2022	12:00:00	8.06
07/09/2022	10:00:00	8.05
07/08/2022	10:00:00	8.04
07/07/2022	11:00:00	8.03
07/06/2022	11:00:00	8.03
07/05/2022	09:00:00	8.03
07/04/2022	13:00:00	8.03
07/03/2022	12:00:00	8.03
07/02/2022	11:00:00	8.03
07/01/2022	09:00:00	8.03

Jun-22		
31-06-2022	09:00:00	8.03
06/30/2022	09:00:00	8.03
06/29/2022	09:00:00	8.03
06/29/2022	12:00:00	8.02
06/28/2022	09:00:00	8.02

06/27/2022	09:00:00	8.02
06/26/2022	14:00:00	8.02
06/25/2022	10:00:00	8.02
06/24/2022	09:00:00	8.02
06/23/2022	14:00:00	8.02
06/22/2022	09:00:00	8.02
06/21/2022	14:00:00	8.02
06/20/2022	12:00:00	8.02
06/19/2022	09:00:00	8.02
06/18/2022	10:00:00	8.02
06/17/2022	16:00:00	8.02
06/16/2022	12:00:00	8.02
06/15/2022	10:00:00	8.02
06/14/2022	14:00:00	8.02
06/13/2022	10:00:00	8.02
06/12/2022	10:00:00	8.02
06/11/2022	09:00:00	8.2
06/10/2022	12:00:00	8.1
06/09/2022	10:00:00	41.2
06/08/2022	10:00:00	41.3
06/07/2022	11:00:00	41.2
06/06/2022	11:00:00	41.2
06/05/2022	09:00:00	41.3
06/04/2022	13:00:00	41.2
06/03/2022	12:00:00	41.2
06/02/2022	11:00:00	41.2
06/01/2022	09:00:00	41.2
<b>May-22</b>		
05/31/2022	09:00:00	41.2
05/30/2022	09:00:00	41.2
05/29/2022	10:00:00	41.2
05/29/2022	10:00:00	41.3
05/28/2022	09:00:00	41.3
05/27/2022	09:00:00	41.2
05/26/2022	14:00:00	41.2
05/25/2022	10:00:00	41.2
05/24/2022	10:00:00	41.2
05/23/2022	14:00:00	41.2
05/22/2022	1100:00	41.1
05/21/2022	14:00:00	41.1
05/20/2022	12:00:00	41.1
05/19/2022	09:00:00	41.1
05/18/2022	10:00:00	41.1
05/17/2022	16:00:00	41.1
05/16/2022	12:00:00	41
05/15/2022	10:00:00	41
05/14/2022	14:00:00	41
05/13/2022	10:00:00	40.9



05/12/2022	10:00:00	40.9
05/11/2022	09:00:00	40.9
05/10/2022	12:00:00	40.8
05/09/2022	10:00:00	40.8
05/08/2022	10:00:00	40.9
05/07/2022	11:00:00	40.9
05/06/2022	11:00:00	40.9
05/05/2022	09:00:00	40.9
05/04/2022	10:00:00	40.9
05/03/2022	12:00:00	40.8
05/02/2022	10:00:00	40.8
05/01/2022	10:00:00	40.9



Apr-22		
31-04-2022	10:00:00	40.8
04/30/2022	11:00:00	40.8
04/29/2022	12:00:00	40.8
04/28/2022	09:00:00	40.8
04/27/2022	09:00:00	40.8
04/26/2022	14:00:00	40.7
04/25/2022	10:00:00	40.7
04/24/2022	10:00:00	40.7
04/23/2022	14:00:00	40.6
04/22/2022	18:00:00	40.6
04/21/2022	14:00:00	40.6
04/20/2022	12:00:00	40.4
04/19/2022	09:00:00	40.4
04/18/2022	10:00:00	40.4
04/17/2022	16:00:00	40.5
04/16/2022	12:00:00	40.5
04/15/2022	10:00:00	40.5
04/14/2022	14:00:00	40.6
04/13/2022	10:00:00	40.6
04/12/2022	10:00:00	40.6
04/11/2022	09:00:00	40.6
04/10/2022	12:00:00	39.2
04/09/2022	10:00:00	38.5
04/08/2022	10:00:00	38.4
04/07/2022	11:00:00	37.5
04/06/2022	11:00:00	37.4
04/05/2022	09:00:00	36.4
04/04/2022	10:00:00	36.3
04/03/2022	12:00:00	36.1
04/02/2022	10:00:00	35.4
04/01/2022	10:00:00	34.1

Mar-22		
03/30/2022	08:00:00	33.5
03/29/2022	09:00:00	33.2
03/29/2022	08:00:00	32.4
03/28/2022	10:00:00	32.3
03/28/2022	11:00:00	31.2
03/27/2022	09:00:00	31.3
03/27/2022	10:00:00	30.6
03/26/2022	12:00:00	30.6
03/26/2022	11:00:00	30
	09:00:00	29.6
03/25/2022	11:00:00	29.6
03/25/2022	10:00:00	29.5
03/24/2022	12:00:00	28.5
03/23/2022	11:00:00	28.1
03/23/2022	10:00:00	27.4
03/22/2022	12:00:00	27.3
03/21/2022	11:00:00	27.4
03/20/2022	10:00:00	27.1
03/19/2022	09:00:00	27.1
03/18/2022	11:00:00	27.4
03/18/2022	10:00:00	27.4
03/17/2022	09:00:00	27.3
03/16/2022	10:00:00	27.3
03/15/2022	13:00:00	27.3
03/14/2022	10:00:00	27.2
03/13/2022	11:00:00	27.2
03/13/2022	10:00:00	27.2
03/12/2022	09:00:00	27.2
03/11/2022	08:00:00	27.1
03/11/2022	07:00:00	27.1
03/10/2022	07:00:00	27.1
03/09/2022	12:00:00	27.1
03/08/2022	12:00:00	27.1
03/08/2022	10:00:00	27.1
03/07/2022	10:00:00	27
03/06/2022	07:00:00	27.1
03/05/2022	14:00:00	27.2
03/05/2022	11:00:00	27.1
03/04/2022	10:00:00	27.1
03/03/2022	23:00:00	27.1
03/03/2022	22:00:00	27.1
03/03/2022	11:00:00	26.9
03/02/2022	09:00:00	26.9
03/01/2022	12:00:00	26.9
03/01/2022	08:00:00	26.9

Feb-22		
02/28/2022	09:10:00	26.9
02/27/2022	12:00:00	26.8



02/26/2022	19:00:00	26.8
02/26/2022	10:00:00	26.8
02/23/2022	10:00:00	26.9
02/22/2022	10:00:00	26.7
02/21/2022	18:00:00	26.7
02/21/2022	14:00:00	26.6
02/20/2022	10:00:00	26.6
02/19/2022	18:00:00	26.6
02/18/2022	09:00:00	26.5
02/17/2022	12:00:00	26.5
02/16/2022	09:00:00	26.5
02/15/2022	10:00:00	26.4
02/14/2022	10:00:00	26.5
02/13/2022	18:00:00	26.6
02/13/2022	13:00:00	26.4
02/12/2022	08:00:00	26.4
02/11/2022	12:00:00	26.3
02/11/2022	11:00:00	26.3
02/10/2022	10:00:00	26.2
02/09/2022	11:00:00	26.1
02/08/2022	08:00:00	25.9
02/08/2022	09:00:00	25.8
02/07/2022	08:00:00	25.8
02/06/2022	12:00:00	25.8
02/06/2022	11:00:00	25.6
02/05/2022	18:00:00	25.6
02/05/2022	09:00:00	25.4
02/04/2022	19:00:00	25.4
02/04/2022	18:00:00	25.3
02/04/2022	09:00:00	25.3
02/03/2022	20:00:00	25.3
02/03/2022	12:00:00	25.4
02/03/2022	08:00:00	25.5
02/02/2022	08:00:00	25.2
02/02/2022	07:00:00	25.1
02/01/2022	08:00:00	25.1
02/01/2022	02:00:00	25.1





Jan-22		
01/31/2022	12:00:00	24.7
01/30/2022	10:00:00	24.3
01/29/2022	10:00:00	24.3
01/28/2022	14:00:00	24.3
01/27/2022	22:00:00	24
01/26/2022	21:00:00	23.8
01/25/2022	20:00:00	23.7
01/24/2022	19:00:00	23.7
01/23/2022	18:00:00	23.1
01/22/2022	17:00:00	22.9
01/21/2022	16:00:00	22.5

01/20/2022	15:00:00	22.1
01/19/2022	14:00:00	21.7
01/18/2022	13:00:00	21.7
01/17/2022	12:00:00	21.3
01/16/2022	11:00:00	21.3
01/15/2022	10:00:00	20.8
01/14/2022	22:00:00	20.7
01/13/2022	21:00:00	20.8
01/12/2022	20:00:00	20.7
01/11/2022	19:00:00	20.6
01/10/2022	18:00:00	20.7
01/09/2022	17:00:00	20.8
01/08/2022	16:00:00	20.6
01/07/2022	15:00:00	20.6
01/06/2022	14:00:00	20.5
01/05/2022	13:00:00	20.4
01/04/2022	12:00:00	20.4
01/03/2022	11:00:00	20.3
01/02/2022	10:00:00	20.2
01/01/2022	20:00:00	20.3



  
**Managing Director**  
Witas Sahakari Sakhar Karkhana Ltd  
Vaishalinagar, Nivli Tq. & Dist. Latur  


Recognised by Ministry of Environment and Forests (MoEF) / Central Pollution Control Board Govt. of India (CPCB)  
 ISO 9001:2015, ISO 45001 : 2018 and ISO 14001 : 2015 Certified Company

TEST CERTIFICATE					
Report No: GESEC/PRO/2022-23/11/521		Date of Report		18/11/2022	
Client Name and Address: M/s. Vilas Sahakari Sakhar Karkhana Ltd., (Sugar and Co-Gen Plant) 553,554,656,Vishalinagar Nivli, Tal. - Latur, Dist.- Latur.		Date of Sampling		14/11/2022	
		Start Date of Analysis		14/11/2022	
		End Date of Analysis		18/11/2022	
		Sample Details		Bore Well Water	
		Nature of sample		Liquid	
Sample Collected By		Client			
WATER ANALYSIS REPORT					
Sr. No.	Parameter	Result	Limits as per Is 10500:2012	Unit(s)	Standard Method
Physical Parameter					
1.	Color	Clear	<5	Hazen	IS:3025 (part 4):2021
2.	Turbidity	0.8	<10	NTU	IS:3025(part10):2019
3.	TDS	670	<2000	mg/lit	IS :3025(part 16):2017
4.	EC	896	--	µS/cm	IS : 3025 (Part 14):1984
Chemical Parameter					
6.	pH	7.2	6.5 to 8.5	--	APHA 4500, 23 <sup>rd</sup> Edition:2017
7.	Total Hardness	510	<600	mg/lit	IS:3025 Part-21:2019
8.	Total Alkalinity	215.0	<600	mg/lit	IS:3025 Part-23:2019
9.	Sulphate	11.3	<400	mg/lit	IS:3025 Part-24:2019
10.	Nitrate	1.5	<<45	mg/lit	IS : 3025 (Part 34)1988
11.	Fluoride	<0.1	<1.5	mg/lit	IS : 3025 (Part 23)1983
12.	Residual Chlorine	<0.1	<0.20	mg/lit	IS:3025(part 26):2019
13.	Chloride	93.2	<1000	mg/lit	IS:3025 Part-32:2019
14.	Calcium (as Ca)	140.5	<200	mg/lit	IS:3025 Part-40:2019
15.	Magnesium (as Mg)	37.5	<100	mg/lit	APHA 3500- Mg, B, 23 <sup>rd</sup> Edition:2017
Microbiological Parameter					
16.	Total Coliform	Absent	Absent	MPN/100ml	IS 1622:1981
17.	E.coli.	Absent	Absent	per/100ml	IS 1622:1981
					
			 <b>Mr. Vinod Hande</b> (Technical Manager) Reviewed & Authorized By		

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ISO 9001:2015, ISO 45001 : 2018 and ISO 14001 : 2015 Certified Company

### TEST CERTIFICATE

<b>Report No: GESEC/PRO/2022-23/02/679</b>	<b>Date of Report</b>	16/02/2023
<b>Client Name and Address:</b> M/s. Vilas Sahakari Sakhar Karkhana Ltd., (Sugar and Co-Gen Plant) 553,554,656,Vishalinagar Nivli, Tal. - Latur, Dist.- Latur.	<b>Date of Sampling</b>	23/02/2023
	<b>Start Date of Analysis</b>	15/02/2023
	<b>End Date of Analysis</b>	23/02/2023
	<b>Sample Details</b>	Bore Well Water
	<b>Nature of sample</b>	Liquid
<b>Sample Collected By</b>	Client	

### WATER ANALYSIS REPORT

Sr. No.	Parameter	Result	Limits as per Is 10500:2012	Unit(s)	Standard Method
<b>Physical Parameter</b>					
1.	Color	Clear	<5	Hazen	IS:3025 (part 4):2021
2.	Turbidity	0.8	<10	NTU	IS:3025(part10):2019
3.	TDS	670	<2000	ppm	IS :3025(part 16):2017
4.	EC	896	--	µS/cm	IS : 3025 (Part 14):1984
<b>Chemical Parameter</b>					
6.	pH	7.5	6.5 to 8.5	--	APHA 4500, 23 <sup>rd</sup> Edition:2017
7.	Total Hardness	512	<600	mg/lit	IS:3025 Part-21:2019
8.	Total Alkalinity	214.0	<600	mg/lit	IS:3025 Part-23:2019
9.	Sulphate	11.3	<400	mg/lit	IS:3025 Part-24:2019
10.	Nitrate	1.5	<<45	mg/lit	IS : 3025 (Part 34)1988
11.	Fluoride	<0.2	<1.5	mg/lit	IS : 3025 (Part 23)1983
12.	Residual Chlorine	<0.2	<0.20	mg/lit	IS:3025(part 26):2019
13.	Chloride	96.3	<1000	mg/lit	IS:3025 Part-32:2019
14.	Calcium (as Ca)	165.3	<200	mg/lit	IS:3025 Part-40:2019
15.	Magnesium (as Mg)	39.6	<100	mg/lit	APHA 3500- Mg, B, 23 <sup>rd</sup> Edition:2017
<b>Microbiological Parameter</b>					
16.	Total Coliform	Absent	Absent	MPN/100ml	IS 1622:1981
17.	E.coli.	Absent	Absent	per/100ml	IS 1622:1981



*Handwritten Signature*  
**Mr. Vinod Hande**  
(Technical Manager)  
Reviewed & Authorized By

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 ISO 9001:2015, ISO 45001 : 2018 and ISO 14001 : 2015 Certified Company

**TEST CERTIFICATE**

<b>Report No: GESEC/PRO/2022-23/12/412</b>	<b>Date of Report</b>	19/12/2022
<b>Client Name and Address:</b> M/s. Vilas Sahakari Sakhar Karkhana Ltd., (Sugar and Co-Gen Plant) 553,554,656,Vishalinagar Nivli, Tal. - Latur, Dist.- Latur.	<b>Date of Sampling</b>	12/12/2022
	<b>Start Date of Analysis</b>	13/12/2022
	<b>End Date of Analysis</b>	19/12/2022
	<b>Sample Details</b>	Bore Well Water
	<b>Nature of sample</b>	Liquid
<b>Sample Collected By</b>	Client	

**WATER ANALYSIS REPORT**

Sr. No.	Parameter	Result	Limits as per Is 10500:2012	Unit(s)	Standard Method
<b>Physical Parameter</b>					
1.	Color	Clear	<5	Hazen	IS:3025 (part 4):2021
2.	Turbidity	0.8	<10	NTU	IS:3025(part10):2019
3.	TDS	670	<2000	mg/lit	IS :3025(part 16):2017
4.	EC	896	--	µS/cm	IS : 3025 (Part 14):1984
<b>Chemical Parameter</b>					
6.	pH	7.5	6.5 to 8.5	--	APHA 4500, 23 <sup>rd</sup> Edition:2017
7.	Total Hardness	512	<600	mg/lit	IS:3025 Part-21:2019
8.	Total Alkalinity	218.0	<600	mg/lit	IS:3025 Part-23:2019
9.	Sulphate	12.3	<400	mg/lit	IS:3025 Part-24:2019
10.	Nitrate	1.7	<<45	mg/lit	IS : 3025 (Part 34)1988
11.	Fluoride	<0.2	<1.5	mg/lit	IS : 3025 (Part 23)1983
12.	Residual Chlorine	<0.2	<0.20	mg/lit	IS:3025(part 26):2019
13.	Chloride	95.2	<1000	mg/lit	IS:3025 Part-32:2019
14.	Calcium (as Ca)	145.3	<200	mg/lit	IS:3025 Part-40:2019
15.	Magnesium (as Mg)	38.5	<100	mg/lit	APHA 3500- Mg, B, 23 <sup>rd</sup> Edition:2017
<b>Microbiological Parameter</b>					
16.	Total Coliform	Absent	Absent	MPN/100ml	IS 1622:1981
17.	E.coli.	Absent	Absent	per/100ml	IS 1622:1981


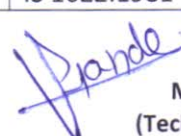


*Hande*  
 Mr. Vinod Hande  
 (Technical Manager)  
 Reviewed & Authorized By

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TEST CERTIFICATE					
Report No: GESEC/PRO/2022-23/03/583		Date of Report		22/03/2023	
Client Name and Address: M/s. Vilas Sahakari Sakhar Karkhana Ltd., (Sugar and Co-Gen Plant) 553,554,656,Vishalinagar Nivli, Tal. - Latur, Dist.- Latur.		Date of Sampling		15/03/2023	
		Start Date of Analysis		14/03/2023	
		End Date of Analysis		22/03/2023	
		Sample Details		Bore Well Water	
		Nature of sample		Liquid	
Sample Collected By		Client			
WATER ANALYSIS REPORT					
Sr. No.	Parameter	Result	Limits as per Is 10500:2012	Unit(s)	Standard Method
Physical Parameter					
1.	Color	Clear	<5	Hazen	IS:3025 (part 4):2021
2.	Turbidity	0.8	<10	NTU	IS:3025(part10):2019
3.	TDS	670	<2000	mg/lit	IS :3025(part 16):2017
4.	EC	896	--	µS/cm	IS : 3025 (Part 14):1984
Chemical Parameter					
6.	pH	6.7	6.5 to 8.5	--	APHA 4500, 23 <sup>rd</sup> Edition:2017
7.	Total Hardness	458	<600	mg/lit	IS:3025 Part-21:2019
8.	Total Alkalinity	256.0	<600	mg/lit	IS:3025 Part-23:2019
9.	Sulphate	11.5	<400	mg/lit	IS:3025 Part-24:2019
10.	Nitrate	1.8	<<45	mg/lit	IS : 3025 (Part 34)1988
11.	Fluoride	<0.2	<1.5	mg/lit	IS : 3025 (Part 23)1983
12.	Residual Chlorine	<0.2	<0.20	mg/lit	IS:3025(part 26):2019
13.	Chloride	96.3	<1000	mg/lit	IS:3025 Part-32:2019
14.	Calcium (as Ca)	145.6	<200	mg/lit	IS:3025 Part-40:2019
15.	Magnesium (as Mg)	35.3	<100	mg/lit	APHA 3500- Mg, B, 23 <sup>rd</sup> Edition:2017
Microbiological Parameter					
16.	Total Coliform	Absent	Absent	MPN/100ml	IS 1622:1981
17.	E.coli.	Absent	Absent	per/100ml	IS 1622:1981
  <b>Mr. Vinod Hande</b> <b>(Technical Manager)</b> <b>Reviewed &amp; Authorized By</b>					

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### TEST CERTIFICATE

<b>Report No: GESEC/PRO/2022-23/01/420</b>	<b>Date of Report</b>	19/01/2023
<b>Client Name and Address:</b> M/s. Vilas Sahakari Sakhar Karkhana Ltd., (Sugar and Co-Gen Plant) 553,554,656,Vishalinagar Nivli, Tal. - Latur, Dist.- Latur.	<b>Date of Sampling</b>	12/01/2023
	<b>Start Date of Analysis</b>	13/01/2023
	<b>End Date of Analysis</b>	19/01/2023
	<b>Sample Details</b>	Bore Well Water
	<b>Nature of sample</b>	Liquid
<b>Sample Collected By</b>	Client	

### WATER ANALYSIS REPORT

Sr. No.	Parameter	Result	Limits as per Is 10500:2012	Unit(s)	Standard Method
<b>Physical Parameter</b>					
1.	Color	Clear	<5	Hazen	IS:3025 (part 4):2021
2.	Turbidity	0.8	<10	NTU	IS:3025(part10):2019
3.	TDS	670	<2000	ppm	IS :3025(part 16):2017
4.	EC	896	--	µS/cm	IS : 3025 (Part 14):1984
<b>Chemical Parameter</b>					
6.	pH	6.7	6.5 to 8.5	--	APHA 4500, 23 <sup>rd</sup> Edition:2017
7.	Total Hardness	415	<600	mg/lit	IS:3025 Part-21:2019
8.	Total Alkalinity	195.0	<600	mg/lit	IS:3025 Part-23:2019
9.	Sulphate	15.3	<400	mg/lit	IS:3025 Part-24:2019
10.	Nitrate	2.7	<<45	mg/lit	IS : 3025 (Part 34)1988
11.	Fluoride	<0.2	<1.5	mg/lit	IS : 3025 (Part 23)1983
12.	Residual Chlorine	<0.2	<0.20	mg/lit	IS:3025(part 26):2019
13.	Chloride	97.5	<1000	mg/lit	IS:3025 Part-32:2019
14.	Calcium (as Ca)	137.5	<200	mg/lit	IS:3025 Part-40:2019
15.	Magnesium (as Mg)	45.2	<100	mg/lit	APHA 3500- Mg, B, 23 <sup>rd</sup> Edition:2017
<b>Microbiological Parameter</b>					
16.	Total Coliform	Absent	Absent	MPN/100ml	IS 1622:1981
17.	E.coli.	Absent	Absent	per/100ml	IS 1622:1981

**Mr. Vinod Hande**  
(Technical Manager)  
Reviewed & Authorized By

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## Photographs of Existing Greenbelt



## Photographs of Existing Greenbelt



## Photographs of Existing Greenbelt





महाराष्ट्र MAHARASHTRA

● 2015 ●

NN 402362



मुद्रांक विन्नी नोंववही अ.क्र.  
मुद्रांक शुल्क रक्कम  
मुद्रांक विकत घेणाऱ्याचे नांव

8151 दि. 21/11/2015  
100/-

कार्यकारी संचालक विकास सह. सा. का. लि. निवली  
ता. पी. वा. ल. ल.

होती  
पत्र  
मुद्रांक  
यथा

अशोक लक्ष्मणराव पवार  
तोंडकर

दुय्यम निबंदक कार्यालय नं. 9 लातूर  
मुद्रांक विकत घेणाऱ्याची

रही  
रही

**AGREEMENT**

**(For non-Irrigation water supply)**

An agreement made on the 21st day of November Two thousand fifteen between E.E.Latur Irrigation Division No.1 Latur & M. D. Vikas Sahakari Sakhar Karkhana Ltd. Vaishali Nagar, Nivli Tq. & Dist. Latur a Local Self-Government body such as Grampanchyat, Municipal, authorities, Zilla parishad, Jeewan pradhikaran or Company / Industrial corporation/Maharashtra Jeevan Pradhikaran (Which expression herein after referred to as 'the company/MIDDC/MJP' shall, unless excluded by or it be repugnant to the context or meaning thereof be deemed to include its successors and assigns) registered under the Indian Companies Act, 1913 (VII of 1913), the companies Act, 1956 (I of 1956) and having its registered Office at Vaishali Nagar, Nivli Tq. & Dist. Latur herein after referred to as 'the company' of the one part and the Governor of Maharashtra hereinafter referred to as 'the Government' (which expression shall unless excluded by or it be

कार्यकारी अभियंता

लातूर पाटबंधारे विभाग क्र. 9 लातूर



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महाराष्ट्र MAHARASHTRA

2015

NN 402363



मुद्रांक विक्री नोंदवही अ.क्र.  
मुद्रांक शुल्क रकम  
मुद्रांक विकत घेणान्याचे नांव

8152 दि. 21, 11, 2015  
100/-

कार्यकारी अभियंता विकासाच्या कार्यालय, स.ए. सा. का. लि. निवली ता. जरी जिल्हा लातूर

अशोक दामोदर राव मयार  
तोडकर

दुय्यम निवली कार्यालय नं. 9 लातूर  
मुद्रांक विकत घेणान्याची

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repugnant to the context or meaning thereof be deemed to include his successors and assigns) of the other Part.

Whereas the company is desirous of construction a pumping station on the company's land at for drawing water from the source Nivli M.I. Tank (hereinafter referred to as "the said source") for the use by the company's Plant (hereinafter referred to as "the said Plant" ) and laying underground and surface pipes and drains for discharge of the factory effluent.

AND whereas the company has applied to the Government for permission to draw 0.334 Million Cubic meter of water per year from the said source.

AND whereas the company has paid Rs 90944/- (Rupees Ninety Thousand Nine Hundred Fourty Four only) to Government towards the proportional cost of capital outlay of the Project.

कार्यकारी अभियंता

लातूर पाटबंधारे विभाग क्र.9, लातूर



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महाराष्ट्र MAHARASHTRA

2015

NN 402364



मुद्रांक विक्री नोंदवही अ.क्र.  
मुद्रांक शुल्क रक्कम  
मुद्रांक विकत घेणाऱ्याचे नांव

8153 12.21.11.2015  
1000

कार्यकारी संचालक विकास सह.सा.का.लि.  
निवृत्ती तर जी.लातूर  
अशोक हळमंतरा प.स.लातूर  
तोडकर

हस्तो...  
पदा...  
दुय्यन निवृत्ती क्र. 9 लातूर  
मुद्रांक विकत घेणाऱ्याची

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AND whereas the Government has agreed to grant the aforesaid permission to the company on the terms and conditions hereinafter appearing.

AND WHEREAS UNDER the said terms and conditions the company has to deposit with the Executive Engineer Latur Irrigation Division No.1 Latur to the Government a sum of Rs. 90944/- (Ninety Thousand Nine Hundred Fourty Four only) as 'security' equivalent to 2 months company's probable annual water charges based on yearly sanctioned and as communicated In cash or In the form of fixed deposit receipt or a bank Guarantee issued by a scheduled/nationalised bank having It's main/branch office situated locally for the due observance and performance by the company of the terms and conditions of this Agreement AND WHEREAS the company has accordingly prior to the execution of these presents deposited with the Government Rs 90944/- as security for the due observance and performance by the company of the terms

*(Signature)*

कार्यकारी अभियंता  
लातूर पाटबंधारे विभाग क्र.9, लातूर



*(Signature)*



महाराष्ट्र MAHARASHTRA

● 2015 ●

NN 402365



मुद्रांक विक्री नोंदवही अ.क्र. 8154 दि. 21/11/2015

मुद्रांक शुल्क रक्कम 100/-

मुद्रांक विकत घेणाऱ्याचे नांव कार्यकारी संचालक विकास सह. सा. का. लि.

हाते ...

पर ...

प...

मुद्रांक ...

पत्ता ...

दुष्यंत निबंधक कार्यालय नं. 4 लातूर

मुद्रांक विकत घेणाऱ्याची

8154 दि. 21/11/2015

100/-

कार्यकारी संचालक विकास सह. सा. का. लि.  
निबंधक ता. जी. शाहूर  
डॉ. प्रो. क. द. शाहूर  
नीडकर

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सही [Signature]

and conditions herein contained; AND WHEREAS it has been agreed that the said amount will not carry and interest if deposited in cash.

Definitions:

**Quota** – Quota means demand sanctioned and communicated to Vikas Sahakari Sakhar Karkhana Ltd. Vaishali Nagar, Nivli Tq. & Dist. Latur by the Executive Engineer.

**Corporation** : Corporation means the River Basin corporations like Maharashtra Krishna Valley Development Corporation (MKVDC), Godavari Marathwada Irrigation Development Corporation (GMIDC), Tapi Irrigation Development Corporation (TIDC), Konkan Irrigation Development Corporations, Municipalities etc.

**MIDC** : MIDC means Maharashtra Industrial Development Corporation



कार्यकारी अभियंता  
लातूर पाटबंधारे विभाग



महाराष्ट्र MAHARASHTRA

2015

NN 402366



मुद्रांक विक्री नोंदवही अ.क्र. 8155 दि. 21/11/2015  
 मुद्रांक शुल्क रक्कम 100/-  
 मुद्रांक विकत घेणाऱ्याचे नांव कार्यकारी अभियंता लक्ष्मण विठ्ठल शिंदे, सा. का. लि.

कार्यकारी अभियंता लक्ष्मण विठ्ठल शिंदे, सा. का. लि.  
 निवृत्ती ता. जी. 11/12/15  
 धर्मोक्त हवामंतराब पणसर  
 लाडकर

हजेर  
 पर  
 प.  
 मु.  
 पत्ता  
 दुयाम निवेदन क्र. 12/15 नं. 9 लातूर  
 मुद्रांक विकत घेणाऱ्याची

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MJP : MJP means Maharashtra Jeevan Pradhikaran :

Yearly Applicable demand : Yearly Applicable demand means the water demand communicated by the USER for the period from 1<sup>st</sup> November to 31<sup>st</sup> October to the Executive Engineer & sanctioned by Irrigation Department every year in the month of September along with its bifurcation for industrial, domestic and agricultural use.

USER : User means water using agency like individual company/MIDC/MJP/Local bodies

NOW THIS AGREEMENT WITNESSTH AS FOLLOWS :

1) (a) In consideration of the company making payment to the Government as hereinafter specified and observing and performing the convenience and conditions herein contained Government do hereby grants to

*(Signature)*

कार्यकारी अभियंता

लातूर पावसाचे नियंत्रण



*(Signature)*



महाराष्ट्र MAHARASHTRA

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NN 402367





मुद्रांक विक्री नोंदवही नं.क्र.  
मुद्रांक शुल्क रक्कम  
मुद्रांक विकत घेणाऱ्याचे नांव

8156 12.21.11 2015  
1000


कार्यकारी अभियंताक विपिनल सह. सा.का.लि.  
निपली ता.प.नि.लातूर

हजेर  
पर  
मु  
पत्ता  
दुय्यर, निपली कळसोलाय नं. 9 लातूर  
मुद्रांक विकत घेणाऱ्याची

अशोक हवलमतिशय पसर  
तोडकर

सही   
सही 

the company permission to draw 0.334 (Mcum) of water per year from the said source { 0.00 (Mcum) of water per year for industry using potable water bottling plan,---Nil--- Million Liters 0.334 Mcum of water per year for other than water as raw material Industrial use, ---Nil--- liters of water per year for domestic use and Mcum of water per year for domestic use and --Nil-- Liters of water per year for agricultural use (nursery/gardening) within the company's premises} and use the same for the purpose of the Company's said plant or project, for supply to residential colonies and for agricultural use (Nursery/gardening) for a term of six years commencing from the 21/11/2015 on the following terms and conditions.

  
कार्यकारी अभियंता  
लातूर पाटबंधारे विभाग क्र.9,लातूर









महाराष्ट्र MAHARASHTRA

2015

NN 402369



मुद्रांक विक्री नोंदवही अ.क्र.  
मुद्रांक शुल्क रक्कम  
मुद्रांक विकत घेणाऱ्याचे नांव

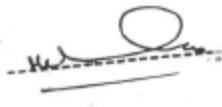
8158 दि. 21/11/2015

कार्यकारी संचालक विकास सह. सा. का. ग. लि.  
निवकी ता. जी. लातूर

हस्ते, अचलनास नाव व पत्ता  
परकाल, संचालक विभागाचा

अशोक दामोदर पवार  
तीडकर

पत्ता : ...  
दुय्यम् निबंधक कार्यालय नं. 9 लातूर  
मुद्रांक विकत घेणाऱ्याची

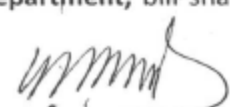
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orders issued in this behalf by Government and any statutory amendment thereof from time to time and for the time being in force.

3) Nothing herein contained shall be deemed to imply any guarantee on the part of the Government as to the availability or otherwise of any specific quantity of water and Government shall not be responsible for the non-supply or in adequate supply of water on any account whatsoever.

However in case of inadequate or non-supply due to shortage of water or reason beyond the control of the Department, bill shall be charged as per actual quantity of water lifted during such period.

  
कार्यकारी अभियंता  
लातूर पाटबंधारे विभाग क्र. 9. लातूर







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4) The company shall use the water drawn from the said river for purposes of the company's said Plant and for supply to the residential colonies constructed by the company within the area of the said Plant of providing housing to its employees and workers (hereinafter referred to as "the said residential colonies" ) The company of there than M.I.D.C. shall not sell the water from the said river to any other person, firm or company, corporation or other body. In the event of the company selling water drawn from the said river, then the Government without prejudice to its right will forthwith revoke the license . Government shall be entitled to recover from the company the proceeds of any such sale made by the company.

As regards, water supply to M.I.D.C. this clause of resale of water will not be applicable to the extent of the water supplied by them to the industrial units and

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कार्यकारी अभियंता  
लातूर मालवघारे विभाग क्र 8 लातूर



महाराष्ट्र MAHARASHTRA

2015

NN 402371



मुद्रांक विक्री नोंदवही अ.क.  
मुद्रांक शुल्क रक्कम  
मुद्रांक विकत घेणाऱ्याचे नांव

₹150 दि. 21/11/2015

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कार्यकारी संचालक पिकाल अ.द.सा.का.वि.  
निवडी ता.जी.लातूर

हस्तो, अ. लातूर नगर पंचायत  
पत्ता : ...

अशोक दामोदर तोंडकर

दुय्यम निबंधन का. सं. 9 लातूर  
मुद्रांक विकत घेणाऱ्याची

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Residential colonies in their jurisdiction. But, for any purposes other than the above, if M.I.D.C. desires to supply the water then the prior permission of the Government in Irrigation Department is obligatory. Water supply made by M.I.D.C. without prior permission will be charged at the maximum rates applicable for industrial water supply.

- Government shall be entitled to utilize water of the said river available after meeting the reasonable requirements of the company; as to which matter the decision of the Government shall be final and binding on the company, for such purpose as Government deems fit.


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कार्यकारी अभियंता  
लातूर पाटबंधारे विभाग क्र. 9, लातूर



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- 6) The permission hereby granted shall not in any manner prejudicially affect the existing water rights vested in the upstream riparian owners; nor shall it in any way, prejudice Government's right to here after launch or implement in public interest any new scheme or schemes on its own, on or in connection with the present source of channel of water supply available to the company, subject however to the safeguarding of its reasonable demand referred referred to in clause (5) above.
- 7) The company shall not construct the pick-up weir in the Nivli M.I. Tank Nala bed of the said Nala unless the proposals, plans, drawings, specifications, estimates and all other details thereof are previously submitted to and approved in writing by an officer authorized in that behalf by the Government and while granting its approval to the construction of the pick-up weir Government may impose such conditions as it may in its discretion think fit.
- 8) (a) For ascertaining the quantity of water drawn by the company, **the company** shall forthwith **at its own cost** and after obtaining prior approval in writing thereto of the Executive Engineer, install independent pipelines fitted with separate electronic water measuring devices for use of water for the said independent intention (hereinafter referred to as "the said electronic measuring devices") at such places as is indicated by the Executive Engineer. All the pipeline showing locations of the metering equipments from the said source for different purposes shall be got jointly verified and got approved from Executive Engineer, Irrigation Department. Layout from the said source shall be got approved from the Executive Engineer. No changes in the approved layout shall be made without the prior written approval from the Executive Engineer. On the event of the company failing to install and keep in proper working order the said electronic measuring devices for use of water for the said Plant and supply to the said residential colonies as aforesaid the company shall be liable to pay for the full sanctioned water quota as mentioned in clause 8(d) I and II. During such period 125% of the proportionate sanctioned quantity will be charged at the prevailing rates for the said plant. The said electronic measuring devices shall always be kept under the lock and seal of the Executive Engineer and the key of such lock shall at all times remain with the Executive Engineer. The company shall at all times, during the substance of this agreement at its own cost maintain the said electronic measuring devices in proper working order and condition.
- (b) Readings for the water so drawn so drawn by the company will be taken on the said electronic measuring devices, on the **Last** day of each month/at agreed times, Jointly by the authorized representatives of the Executive Engineer and of the company.

  
कार्यकारी अभियंता  
लातूर पाटबंधारे विभाग क्र.१,लातूर





(c) If at any time in the opinion of the Executive Engineer the said electronic measuring devices are found defective, the same shall be tested for its accuracy and the cost of such testing shall be borne and paid by the company. If on such testing the said electronic measuring devices are found to be defective the company shall forthwith get the same repaired and set right at its own cost and in the event of company failing to do so within 30 (Thirty) days thereafter the Executive Engineer may proceed to do so on account and at the cost of the company.

(d) In the event of the said electronic measuring devices going out of order and becoming defective the quantity of water drawn by the company during the period when the meter was defective and not working shall be ascertained in the following manner.

(i) If the said electronic measuring devices remain out of order for a period of less than 30 days then the quantity of water deemed to be drawn by the USER during the said period shall be taken to be **90%** of the yearly sanctioned demand as communicated in clause No. 11 or average for the last six months' whichever is **higher**.

(ii) If the said electronic measuring devices remain out of order for a period exceeding 30 days then the quantity of water deemed to be drawn by the USER during the said period shall be taken to be 110% of the yearly sanctioned demand as communicated in clause II or average for the last Six months whichever is higher This will be made applicable for the period during which the measuring devices remained out of order.

The aforesaid provision will also apply when the quantity of water drawn by the company cannot be measured on account of removal of the said electronic measuring devices for repairs or the same in the opinion of the Executive Engineer not working properly.

(iii) If electronic meter meant for domestic or for agricultural use is not fitted or remains out of order or is removed, the water charges will be levied as per the rates specified for the industrial use ;for the total quota as referred to in clause I (a) of this agreement.

- 9) Billing should be done on bi-monthly basis. The Bill for the water drawn by the company during the previous calendar months shall be sent in duplicate/triplicate by the Executive Engineer to the office of the company within 15 days after the end of the water consumption months. The company shall thereafter duly pay the same by a demand draft drawn in the name of the Executive Engineer Latur irrigation Division

कार्यकारी अभियंता

लातूर पाटबंधारे विभाग क्र.१, लातूर



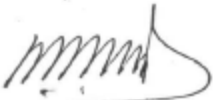
Latur for and on behalf of the Government within a fortnight from the date of receipt of the bill and shall not allow the same to fall in arrears. If the company fails to pay the amount within this stipulated time (15 days from the date of receipt of the bill i.e. before the end of the current month) extra charge not exceeding **12 % Per annum** of the amount due will be charged. If the delay in payment of water charges exceeds six months, the Irrigation department reserve the right to terminate the water supply with a notice of 15 days in advance.

- 10) The cost of all works in connection with the arrangements for water supply including the cost of measuring devices and its installation and maintenance, shall be borne by the company.
- 11) Subject to the provisions of clause (8) hereof, the company shall pay to the Government at the time and in the manner specified in clause (12) hereof water charges for the quantity of water drawn by the company from the said river as measured by the said electronic measuring devices at the following rates, namely:-

Sr No	Purpose of use	Sanctioned Quota	Present Rate In Rs
1	Drinking		1.32/10 Cum (Subjected to Revision )
2	Industrial	0.334 Mcum	32.00/10 Cum (Subjected to Revision )

**Here rates which are going to be applied to the company with mention of purpose of use of water, sanctioned quota and present rate(subject to its revision) may be specified The water lifted by the USER during rainy season from the river where Irrigation Department has not released the water, concessional rate as decided by Irrigation Department shall be charged.**

- iii) I) Provided however that after the expiry of two years from the date the company starts drawing water from the said river if in any month the quantity of water drawn by the company is less than 90 per cent of the quantity of water specified in clause (1) hereof then the company shall pay to the Government water charges calculated for 90 per cent of the quantity of water specified in clause (1) hereof or for average of the quantity of water drawn by the company during the period of previous three months including the month in question whichever is **greater**. (Not applicable to MIDC)
- ii. For any unforeseen reasons, if the company/agency would like to reduce/increase the demand of water made earlier/entered in the agreement, they will be required to make the revised annual demand before the commencement of the year i.e. 1<sup>st</sup> day of November

  
कार्यकारी अभियंता  
लातूर पाटबंधारे विभाग क.१, लातूर





On acceptance of such revised demand the company will be charged as per changed demand for period specified, other conditions remaining same. A supplementary agreement on hundred rupees stamp paper for this changed quantity which will form part of main agreement.

- iii. No penal rate will be levied for the quantity limited to 10 % in excess of the sanctioned one. For quantity used in excess of this 10% without prior sanction a penal fate of 25% will be charged over the basic rate. The delay in payment on account of this also, will be governed by clause 9 above.
- IV. For any unforeseen reasons (such as-sudden closure of the units or sudden rise in production etc.) there could be abrupt fluctuations in the demand on both sides. Such cases will be decided at Govt. level only, by giving due considerations to the availability of water in the particular sub-basin and so on.
- V. In addition to the payment of water charges referred to above the company shall also pay to the Government local fund cuss at the rate of 20 paisa per every rupee of basic water charges.
- VI. Water bills :- The bi-monthly bills for the period from November to August (for 10 months) shall be prepared on the basis of actual quantity of water lifted at the prevailing rate. The bill for the month of September & October (11<sup>th</sup> & 12<sup>th</sup> month) shall be prepared by taking review of annual sanctioned demand and paid accordingly, While adjusting so it shall be considered that the 90% of the annual sanctioned demand has been lifted / used.

The water lifted in excess, up to 10% of sanctioned demand shall charged at single and excess above 10% without prior permission will be charged at penal rate of 1.25 times of the normal rate, as mentioned in the relevant clause. However the local cess shall be charged on single rate only.

- 12) (a) The company shall pay to the Executive Engineer, water rates and local fund cess either in advance every bi-month's on the basis of anticipated quantum of water to be drawn by it from the said source during the month's or on monthly basis within fifteen (15) days from the date of receipt of the bi-monthly demands by the USER from the Executive Engineer. **On default of the USER to pay the water rate or local fund cess as aforesaid vide clause 9 and 11, Government shall without prejudice to its any other rights and remedies be entitled to terminate this agreement forthwith as per clause No.9**

(b) In the case of disputes regarding quantity of water billed or rate at which the bill is prepared the Company/firm/individual water user shall first pay the complete amount of the bill and then claim for refund of any excess bill charged giving the Reasons/justification of wrong billing. However the decision of Superintending



कार्यकारी अभियंता  
लातूर पाटबंधारे विभाग क.१, लातूर




Engineer & Administrator, CADA Beed in this regard shall be final and binding on the Company.

- 13) Government hereby reserves to itself the right to revise from time to time the water rates and local fund cuss and company shall pay the revised water rates and local fund cuss as may be fixed by Government from time to time.
- 14) The USER shall not discharge the effluent in any nalla or river and shall not pollute directly or indirectly any portion of the said nalla / river even by septic tank effluents. If **any water sources are polluted** by any industry as industry irrigation/Pollution control Board /MIDC/MJP the company shall be charged with a penalty of rupees 50,000/- per such incident per day till it is re. The opinion of Maharashtra Pollution Control Board in respect of degree of pollution will be binding pm the company.

The company shall recycle the effluent water for their use such as gardening, recreation, cooling cleaning, washing and manufacturing process etc. so that at least 50% reduction in consumption of fresh water is achieved.

- 15) The effluent disposal arrangement made by the company/industry shall be got approved by the company from the Maharashtra Pollution Control Board/Environmental Department of the Government prior to commencing the operation of pumping/drawing water from the source.
- 16) The company shall at all the times allow an officer of irrigation Department of the Government authorized in that behalf to inspect the said works as well as the accounts and copies taken of entries from the records maintained by the company.
- 17) Any notice or other document to be given to or served upon the company may be given or served on behalf of the Government by the **Executive Engineer Latur Irrigation Division No.1 Latur** and any such notice or document shall be deemed to have been duly given to or served upon the company or sent by registered post to the registered company if it is delivered at the registered office of the company or sent by registered post to the registered address for the time being of the company.
- 18) The said sum of Rs.10000 deposited in the form of FDR/Bank guarantee/cash by the company with the Executive Engineer **Latur Irrigation Division No.1 Latur** to the Government as aforesaid shall be held by the Government as security for the due observance and performance by the company of the covenants, terms and conditions herein contained. In case of default on the part of default on the part of the company to perform and observe any of the said convents terms and conditions it shall be lawful for the Government in its absolute discretion to forfeit the whole of the security deposit or any part thereof without prejudice nevertheless to any rights and remedies which the

  
कार्यकारी अभियंता  
लातूर पाटबंधारे विभाग क्र.१, लातूर





Government may have against the company under these presents for such breach and the company shall forthwith pay up the amount so forfeited and shall always maintain the original amount of deposit throughout the period of this agreement. On the expiry of the terms of this agreement, the said security deposit of Rs 90944/- or such part thereof as shall not have been appropriated as aforesaid shall be refunded to the company.

- 19) All amounts due to the Government by the company under this agreement shall be deemed to be arrears of land revenue and may without prejudice to any other rights and remedies of the Government be recovered from the company as arrears of land revenue.
- 20) On the expiry of the term of this agreement, Government may renew this agreement within 90 days for such further period and on such terms and conditions, as Government may at its absolute discretion deem fit.
- 21) The costs incurred in the execution of the incidental charges for this agreement including stamp duty shall be borne and paid by company.
- 22) Permission for extra water over and above the sanctioned quota will be granted only when the written permission for expansion etc. is produced by the company from the Industrial Department. (Not applicable for MIDC)
- 23) The agreement supercedes all the previous agreements (except certain cases where MIDC has paid the capital Contribution and entered into an agreement) entered into by the USER with the Government in connection with the supply of water from Nivli M.I. Tank.
- 24) The Company Should Submitt their Water indent for every rotation to the Executive Enginer Latur Irrigation Division No 1 Latur on or before starting Of the Rotation Where The source is Located On Canal.The company Should also Furnish the exact qty of water drawn in each Rotation after completion of the rotation.
- 25) The company will have to make an arrangement at it's own cost for adequate storage (Balancing Tank) of not less than two months requirement of water in case of perennial canal, five months requirement in case of 8 monthly canal system, four months requirement in case of water source from seasonal river /nalla and one month water requirement in case of perennial water source of river /nalla so as to take care of the closure period. But if unexpectedly the closure period is increased by more than the specified period stipulated herein the company will have to make an alternative arrangement for its water requirement at its own cost.

26 ) IF THE COMPANY COMMITS A BREACH OF ANY OF THE TERMS AND CONDITON THEREOF GOVERNMENT SHALL BE ENTITLED TO CANCEL THIS PERMISSION AND DISCONTINUE THE SUPPLY OF WATER WITHOUT PAYMENT OF ANY COMPENSATION WHATSOEVER TO THE COMPANY.

कार्यकारी अभियंता

लातूर पाटबंधारे विभाग क्र.९,लातूर



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27) The Govt. hereby reserves to itself its right to change / amend / modify / cancel / revise any of the terms and conditions, rules and regulations of water management and Maharashtra Irrigation Act and rules laid under them which shall be applicable to this agreement.

IN WITNESS WHERE OF THE Common Seal for the **Vikas Sahakari Sakhar Karkhana Ltd. Vaishali Nagar, Nivli Tq. & Dist. Latur** has been Hereinto affixed Shri Sameer Salgar and shri R. B. Karpe Executive Engineer Latur Irrigation Division No 1 Latur has for and on behalf of the Governor of Maharashtra hereto set his hand and affixed the seal of his Office the day and year first herein above written. THE COMMON SEAL OF Executive Engineer Latur Irrigation Division No 1. Latur & **Vikas Sahakari Sakhar Karkhana Ltd. Vaishali Nagar, Nivli Tq. & Dist. Latur**

Water pursuant to resolution

Of Board of Directors of  
The company dated the \_\_\_\_\_  
Hereto affixed in the presence of \_\_\_\_\_

*Sub*  
**Managing Director**  
Vikas Sahakari Sakhar Karkhana Ltd;  
Vaishalinagar, Nivli,  
Tq. & Dist. Latur (Maharashtra)



1. \_\_\_\_\_
2. \_\_\_\_\_

1. Balaji shankar salunke *B.S. Salunke*
2. Nitin Bhausaheb patil *NP*

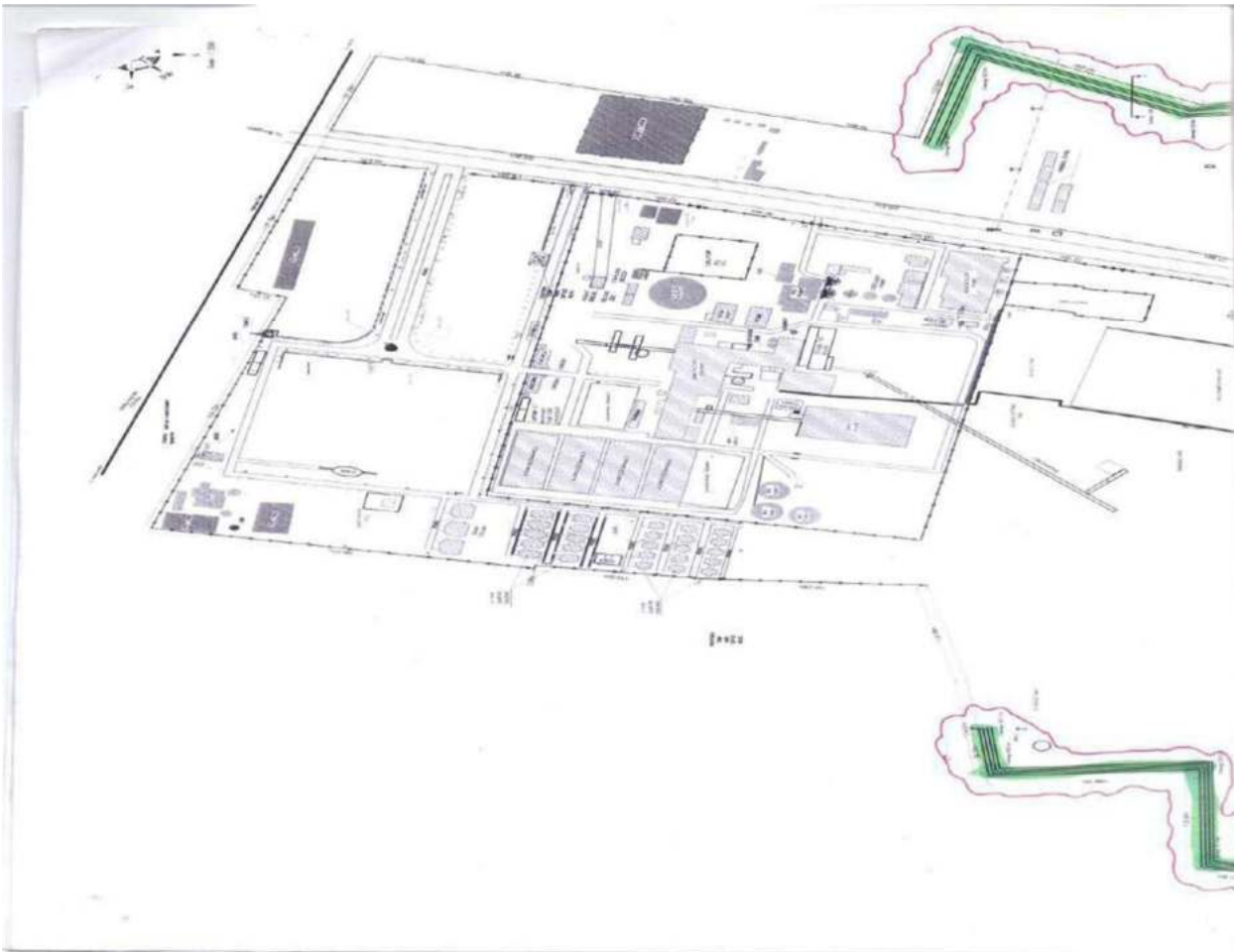
SINGED, SEALED AND DELIVERED by the Executive Engineer, Latur Irrigation Division No.1 Latur for and on behalf of the Governor of Maharashtra in the presence of-

1. *SM* D.M. Sindhalkar *TE*
2. *SM* S.N. more *JE*

*SM*  
**कार्यकारी अभियंता**

**लातूर पाटबंधारे विभाग क्र.१, लातूर**

Sr. No.	Descriptions	Quantity
1	Total Length of Trench	7904
2	Water Harvesting Capacity	71,136 Cum
3	Annual Rainfall	850mm
4	Catchment Area	32 Hector
5	Total Rainfall per annual	2,27,000 cum





## Health Check-up Programme Ambulance

## Annexure XII - Photographs of Health Checkup program



Photo of first aid facilities at distillery unit. **Annexure XIII - Photographs of first aid facilities**



**Environment Management Cell**

<b>No</b>	<b>Name of Person</b>	<b>Number</b>
1	Managing Director	1
2	Environmental Officer	1
3	Environment chemist	1
4	Laboratory Attendants	1
5	Safety Officer	1
6	Supporting Staff	2-5



Details of CSR & CER are as under

1) CSR (Corporate social responsibility)

Sr No	CSR (Corporate social responsibility)	Amount in Rs.
01	Organic Cane Farm Expenses	10534981.00
02	Drip Irrigation	3060495.00
03	Trees Plantations	1920721.00
04	Water Conservation Expenses	4873891.00
05	Ambulance (Capital Exp.)	2755949.00
06	Ambulance Fuel Expenses	474408.00
07	Ambulance Repairs Expenses	107676.00
08	School Bus Expenses	500000.00
09	Staff Bus Expenses	2000000.00
10	Medicine & Blood Donation Seminar	300000.00
	<b>Total Expenditure</b>	<b>26528121.00</b>

2) CER (Corporate Environment responsibility)

Sr No	Environment Expenses	Amount in Rs.
<b>A</b>	<b>Capital Expenditure</b>	
01	Ash Handling System	1250000.00
02	E.S.P.	8513125.00
03	Wet Scrubber	4480000.00
04	Bio-Composting Yard	10840292.00
05	Sugar Dust Cather System	1550000.00
06	Online Monitoring System	3000497.00
07	Fire Fighting Equipment	5481003.00
08	Aero Tailor & Tractor	1400000.00
09	Horticulture	483644.00
10	Garden	65175288.00
11	Soil & Water congervation& Plantation	993949.00
12	E.T.P.	2924631.00
	<b>Total A</b>	<b>106092429.00</b>
<b>B</b>	<b>FY 2022-23 CER</b>	
1	Insrastion Boiler	409878000.00
2	C.P.U.	28698384.00
3	MEE Plant	44634033.00
	<b>Total B</b>	<b>483210417.00</b>
<b>C</b>	<b>Revenue Expenditure</b>	
01	Ash Handling Expenses	1050000.00
02	Pressmud Transport Exp.	1157483.00
03	ETP Maintenance Expenses	276221.00
04	ETP Chemical Expenses	857037.00
05	Sanitation Expenses	2349145.00
06	Horticultural Expenses	1044117.00
07	Road Repairs	403718.00
08	Enveirment Traning exp.	411240.00
09	CSR EXP	500000.00
	<b>Total C</b>	<b>8048961.00</b>
	<b>Total CSR AND CER = (1+2)</b>	<b>62,38,79928.00</b>



Finance Manegar



Annexure XVI - Acknowledgment of EC  
submitted to Grampanchayat

F.No. J-1101/1937/2009-IA II (I)  
Government of India  
Ministry of Environment and Forests  
(I.A. Division)

Paryavaran Bhawan, CGO Complex,  
Lodhi Road, New Delhi - 110 003  
E-mail: [ms.industry-mef@nic.in](mailto:ms.industry-mef@nic.in)  
Telefax: 011 - 2436 3973  
Dated: 28<sup>th</sup> October, 2009

To,  
The Managing Director  
M/s Vikas Sahakari Sakhar Karkhana Limited  
Vaishalinaga, Nivli District Latur  
Maharashtra.

Subject: Expansion of molasses based distillery unit from 30 to 60 KLPD and 18 MW Cogeneration plant at Vaishalinagar, Nivali, Tal. & Dist. Latur in Maharashtra by M/s Vikas Sahakari Sakhar Karkhana Limited. - reg. environmental clearance.

Sir,

This has reference to your letter No. VSSK/Distillery/1535/2009-10 dated 25<sup>th</sup> July, 2009 along with a copy of EIA/EMP report seeking environmental clearance on the above mentioned subject under the EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined the proposal. It is noted that M/s Vikas Sahakari Sakhar Karkhana Limited have proposed for expansion of molasses based distillery unit from 30 KLPD to 60 KLPD and 18 MW Cogeneration power plant at Vaishalinagar, Nivali, Tal. & Dist. Latur in Maharashtra. No Wild life sanctuary/national park/biosphere reserve etc. is located within 10 km radius of the project. No Forest land and R&R is involved. The distillery is attached to sugar unit of 2500 TCD Capacity and it is proposed to increase the capacity to 3500 TCD. The unit will manufacture R.S. (57 KLPD) / ENA (56.5 KLPD), Impure spirit as a byproduct (3.5 KLPD) and Fusal oil (0.12 KLPD) as by product based on continuous fermentation technology. The Distillery will run for 270 days and cogeneration power plant will run for 300 day. Proposed expansion will be carried within the existing unit having land area of 23.9 acres, of which 5 acres will be utilized for distillery, bio-methanation, evaporation plant, spent wash storage lagoon, 8 acres for bio-composting, 5 acres for cogeneration power plant and 5.9 acres for greenbelt development. Molasses requirement will be 222.2 MT/day. Power requirement of 1.200 MW \ hr will be met from the captive power plant. Fuel for the boiler will be bagasse (Season: 822.5MT/Day; off season: 309.5 MT/Day) Project cost for expansion is Rs. 2874.62 lacs and for Cogeneration power plant is Rs. 8167.15 lacs. Cost for environmental protection measures will be Rs. 1128.00 lacs.

3.0 It is noted that the water requirement of 1000 m3 /day for distillery unit and 1355 m3/day for cogeneration plant will be sourced from Nivale lake and permission from the State Irrigation Department, Maharashtra has been obtained. The spent wash generation after expansion will increase to 600m3/day. Spent wash treatment will be by Bio-methanation followed by concentration in the evaporation plant. The concentrated spent wash will be composted with press mud. The CO2 produced during fermentation will be scrubbed with water. Cyclones and stack height of 65m is proposed for the boiler to control the particulate emissions.



Received

Alm

28/12/2009



**FORM V**

(See Rule 14)

**Environmental Audit Report for the financial Year ending the 31st March 2023**

**Unique Application Number**

MPCB-ENVIRONMENT\_STATEMENT-0000056885

**Submitted Date**

06-09-2023

**PART A**

**Company Information**

**Company Name**

Vilas Sahakari Sakhar Karkhana Ltd. (Distillery Unit )

**Application UAN number**

MPCB-CONSENT-0000176945

**Address**

Vaishalinagar Nivali

**Plot no**

653,656,657

**Taluka**

Latur

**Village**

Nivali

**Capital Investment (In lakhs)**

9758.40

**Scale**

L.S.I

**City**

Latur

**Pincode**

413511

**Person Name**

S.R.Desai

**Designation**

Managing Director

**Telephone Number**

9970361765

**Fax Number**

0

**Email**

vikassugar.di@gmail.com

**Region**

SRO-Latur

**Industry Category**

Red

**Industry Type**

R60 Distillery ( molasses / grain /yeast based)

**Last Environmental statement submitted online**

yes

**Consent Number**

Format1.0/CAC/UAN No.MPCB-CONSENT-0000146170/CR/2211001185

**Consent Issue Date**

2022-11-15

**Consent Valid Upto**

2023-08-31

**Establishment Year**

2000

**Date of last environment statement submitted**

Sep 29 2022 12:00:00:000AM

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

**Product Information**

**Product Name**

Industrial Rectified Spirit

**Consent Quantity**

13200

**Actual Quantity**

2200

**UOM**

KL/A

Extr Neutral Alcohol or Unhydrous Alcohol

12600

1800

KL/A

Impure Spirit

1400

200

KL/A

Technical Alcohol

1800

300

KL/A

Fusel Oil

21.6

3.6

KL/A

### By-product Information

<b>By Product Name</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
NA	0.0	0.0	KL/A

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

### 1) Water Consumption in m3/day

<b>Water Consumption for Process</b>	<b>Consent Quantity in m3/day</b>	<b>Actual Quantity in m3/day</b>
<b>Cooling</b>	680.00	350.00
<b>Domestic</b>	185.00	150.00
<b>All others</b>	10.00	8.00
<b>Total</b>	0.00	0.00
	875.00	508.00

### 2) Effluent Generation in CMD / MLD

<b>Particulars</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Trade Effluent	400	540	CMD
Domestic Effluent	7.0	8.0	CMD

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

<b>Name of Products (Production)</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Distillery including Fermentation industry	0.274	0.255	CMD

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

<b>Name of Raw Materials</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Molasses	36015	45418	MT/A

### 4) Fuel Consumption

<b>Fuel Name</b>	<b>Consent quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Coal & Bagasse	10500	1750	MT/A

## Part-C

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

#### [A] Water

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
NA	00	00	%variation 00	00	00

#### [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>Standard</b>	<b>Reason</b>
NA	00	00	%variation 00	00	00

## Part-D

### HAZARDOUS WASTES

#### 1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
20.3 Distillation residues	1.5	1.2	MT/A

#### 2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	00	00	MT/A

## Part-E

### SOLID WASTES

#### 1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Yeast Sludge	0.620	0.570	MT/A

#### 2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	0.620	0.570	MT/A

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

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
20.3 Distillation residues	00	00	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

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
20.3 Distillation residues	1.5	MT/A	00

#### 2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Yeast Sludge	0.570	MT/A	00

## 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)
Spent Less and process cooling tower make up water and process	508	00	00	00	00	00

## Part-H

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

**[A] Investment made during the period of Environmental Statement**

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
Operation and maintenance cost During 2022-2023	Waste water Treatment	59

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**[B] Investment Proposed for next Year**

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
Develop Green Belts & Pollution Control Systems	500 trees	30

## Part-I

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**Any other particulars for improving the quality of the environment.**

**Particulars**

Vilas Sahakari Sakhar Karkhana Ltd. ( Distillery Unit )

**Name & Designation**

S.R.Desai : Managing Director

**UAN No:**

MPCB-ENVIRONMENT\_STATEMENT-0000056885

**Submitted On:**

06-09-2023

बाएच ६०३५१९, २ बाएच व सशामित नोट बायत  
६०३५२०, जेव्हीपी ७०९३०५, माहिती देण्यासाठी आवाजी नोंद  
४आरडब्ल्यू ४३४१४८ अशा रा. दि. ०१-०३-२००५  
आहेत. सदरील नोटा जप्त करून अधिक्षक उस्मानाबाद यांनी कलले  
जनरल मॅनेजर, करन्सो नोट प्रेस आहे.



**विकास सहकारी साखर कारखाना लि.,  
वैशालीनगर, निवळी (ता. जि. लातूर)  
जाहीर निवेदन**

जा.क्र.विकास/सा.प्र./जाहिरात/२५७१/२००४-०५ दि. ०१-०३-२००५  
विकास सहकारी साखर कारखाना लि., वैशालीनगर, निवळी, ता. जि. लातूर येथील  
नियोजित ३०,००० लिटर्स प्रतिदिन क्षमतेच्या आसयणी प्रकल्पास भारत सरकार, पर्यावरण  
व चनछाते, नवी दिल्ली यांच्याकडून पर्यावरण ना-हरकत पत्र (इन्व्हायरोमेंटल क्लिअरन्स)  
मिळविले आहे. तरी संबंधित कार्यक्षेत्रातील जनतेला पाहण्यासाठी कारखाना ऑफिसमध्ये पत्र  
उपलब्ध आहे.

अमित देशमुख  
चेअरमन

व संचालक मंडळ



**विकास सहकारी साखर कारखाना लि.,  
वैशालीनगर, निवळी (ता. जि. लातूर)  
जाहीर प्रगटन**

जा.क्र.विकास/ऊसविकास/२५५१/२००४-०५ दि. २८-०२-२००५  
कार्यक्षेत्रातील ऊसउत्पादक सभासदांना कळविण्यात येते की, केंद्र शासनाच्या ऊस  
विकास निधीतून कार्यक्षेत्रामध्ये खालील ऊस विकासाच्या योजना राबविण्यात येणार आहेत.  
१) त्रिस्तरीय वेणे मळ योजना  
अ) मूलभूत वेणे मळ  
ब) प्रमाणित वेणे मळ  
२) उसाच्या सुधारित ऊस वाणाच्या लागवडीस प्रोत्साहनपर वेणे पुरवठा योजना  
३) टिबक सिंचन संच पुरवठा योजना.  
तरी या योजनेत सहभागी होऊ इच्छिणाऱ्या सभासदांनी कारखाना कार्यक्षेत्रातील गट  
कार्यालयारी संपर्क साधून योजनेत समाविष्ट करून घेण्याबाबतचे अर्ज आवश्यक त्या  
कागदपत्रांसह दि. १५-०३-२००५ पूर्वी सादर करावेत, ही विनंती.

अमित देशमुख  
चेअरमन

व संचालक मंडळ



**विकास सहकारी साखर कारखाना लि.,  
वैशालीनगर, निवळी (ता. जि. लातूर)  
जाहीर प्रगटन**

जा.क्र.विकास/अकौट/जाहिरात/२५८३/२००४-०५ दि. ०१-०३-२००५  
विकास सहकारी साखर कारखाना लि., वैशालीनगर, निवळी, ता. जि. लातूर  
यांच्यामार्फत सदरच्या जाहीर प्रगटनाद्वारे सूचित करण्यात येते की, कारखान्याकडे  
शेअर्स अनामत खाती रु. १२,०२५/- चा भरणा केलेल्या सर्व शेतकऱ्यांना भागाची  
दर्शनी किंमत वाढल्याने वाढीव फक्त रक्कम भरणा करण्याबाबत वेळेवेळी कळविले  
होते. ज्या शेतकऱ्यांनी भागाची वाढीव रक्कम भरणा केलेली नाही मात्र सभासदत्वासाठी  
आवश्यक कागदपत्रांची पूर्तता केली आहे. अशा सर्व शेतकऱ्यांना त्यांचे जमा  
रकमेच्या प्रमाणात वाढीव किंमतीप्रमाणे भाग देऊन सभासदत्व दिले आहे व  
शिष्टांक असलेली रक्कम संबंधितांस परत करण्यासाठी लातूर जि. म. सह. बँक  
लि., लातूरच्या संबंधित गावाच्या शाखेत जमा केलेली आहे. तरी वरीलप्रमाणे सर्व  
संबंधित शेतकऱ्यांनी आपल्या नावाने जमा असलेली रक्कम लातूर जि. म. सह.  
बँक लि., लातूरच्या संबंधित गावाच्या शाखांतून उचलून घ्यावी ही विनंती.

अमित देशमुख

व समस्त संचालक मंडळ

VIKAS S. : i.d.  
 Volohai Naya: ivall  
 Inward No. 712  
 Date. ... 14/12/04  
 Clerk .....

No. J-11011/ 161/2004-JA-II  
 Government of India  
 Ministry of Environment & Forests

Paryavaran Bhawan,  
 CGO Complex, Lodi Road,  
 New Delhi-110 003  
 Telefax : 2436 4564  
 December 28, 2004

To

Shri S.D. Bokhare  
 Managing Director  
 M/s Vikas Sahakari Sakhar Karkhana Ltd.  
 Vaishalinagar, Tq. District Latur  
 Post Box No. 117  
 Maharashtra

Sub : 30 KLD distillery unit of M/s Vikas Sahakari Sakhar Karkhana Ltd. at Vaishalinagar, Latur district, Maharashtra

Sir,

This has reference to your letter No. Vikas/Dist/Gad/720/2004-2006 dated 17.7.04 enclosing EIA/EEMP report and other documents, and subsequent clarifications furnished vide your letter dated 14.10.04 on the above mentioned project.

2. The Ministry of Environment & Forests has examined the proposal. It is noted that the proposal is for setting up of a distillery unit of 30 KLD capacity at Vaishalinagar in Latur district of Maharashtra. The unit will be located in an area of 25 acre within the existing premises of 209 acres of their own sugar factory. The project does not involve forest land and displacement of people. Water requirement of 555 m<sup>3</sup>/d will be met from a minor irrigation tank about 4 kms from the site, for which the company has necessary permission. The distillery will operate for 270 days in a year. The unit will adopt continuous fermentation technology. Biomethanation followed by biocomposting will be practised for utilization of spentwash from the distillery and pressmud from their other own sugar mill and other nearby sugar mills. There will be zero discharge of effluents from the distillery. NOC from Maharashtra Pollution Control Board has been obtained on 7.8.04. Public hearing for the project was held on 3.11.03. Total cost of the project is Rs.948 lakhs.

3. The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 27<sup>th</sup> January, 1984 as amended subsequently subject to strict compliance of the following specific and general conditions:

#### A. SPECIFIC CONDITIONS

- (i) The industry shall ensure that the treated effluent and stack emissions from the unit are within the norms stipulated under the EPA rules or SPCB whichever is more stringent. In case of process disturbances/failure of pollution control equipments adopted by the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.

Dycc

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- (ii) The company shall adopt continuous fermentation technology and ensure that the spentwash generated does not exceed 8-10 KL/KL of alcohol produced.
- (iii) The unit shall not operate for more than 270 days in a year as per the CPCB guidelines.
- (iv) Biomethanation followed by biocomposting with pressmud shall be practiced for utilization of spentwash to ensure zero discharge from the distillery.
- (v) Land and other requirements for treatment of spentwash with pressmud shall be as per the CPCB guidelines. The company shall earmark a separate area of 20 acres for biocomposting and storage of pressmud and finished products. Spentwash storage shall not be for more than 30 days. The company shall monitor the soil and ground water quality in the compost and project area on a regular basis and submit half-yearly reports to SPCB and the Ministry.
- (vi) The company shall undertake rainwater harvesting measures.
- (vii) As reflected in the EIA/EMP, green belt of adequate width and density shall be provided to mitigate the effects of fugitive emissions all around the plant as per the CPCB guidelines in consultation with the local DFO.
- (viii) Occupational health surveillance programme shall be undertaken as a regular exercise for all the employees and their medical records maintained.

#### B. GENERAL CONDITIONS

- (i) The project authorities shall strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- (ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment & Forests.
- (iii) Ambient Air Quality Monitoring Stations shall be set up in the down wind direction as well as where maximum ground level concentration of SPM, SO<sub>2</sub>, NO<sub>x</sub> are anticipated in consultation with the State Pollution Control Board.
- (iv) Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the State Pollution Control Board. Regular monitoring shall be carried out for relevant parameters.
- (v) The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) 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 EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- (vi) The project proponent shall comply with all the environmental protection measures and safeguards recommended in the EIA report.
- (vii) A separate environmental management cell equipped with full fledged laboratory facilities shall be set up to carry out the environmental management and monitoring functions. The project authorities shall provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government alongwith the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
- (viii) The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhopal /State Pollution Control Board/Central Pollution Control Board. A six monthly compliance status report alongwith the monitored data shall be submitted to the monitoring agencies.
- (ix) The Project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board/Committee and may also be seen at website of the Ministry of Environment & Forests at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of

which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional Office.

- (x) The project authorities shall inform the Regional Office as well as the Ministry the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.

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


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

6. The above conditions will be enforced interalia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974; the Air (Prevention & Control of Pollution) Act, 1981; the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991, alongwith their amendments and rules.

(Dr.G.V.Subrahmanyam)  
Director

Copy to :

- (i) Secretary, Department of Environment & Forests, Government of Maharashtra, Mumbai
- (ii) Chief Conservator of Forests, Ministry of Environment & Forests, Regional Office (Western), E-3/240, Arera Colony, Bhopal 462 015
- (iii) Chairman, Central Pollution Control Board, Parvesh Bhawan, CBD-cum-office Complex, East Arjun Nagar, New Delhi-110032
- (iv) Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3<sup>rd</sup> & 4<sup>th</sup> floors, Sion Matunga Scheme Road No. 6, Opp. Cine Planet, Sion Circle, Sion (E), Mumbai-400 022
- (v) JS (CCI-I), MOEF
- (vi) Director, Monitoring Cell, MoEF
- (vii) Guard file
- (viii) Monitoring file
- (ix) Record file

  
(Dr.G.V.Subrahmanyam)  
Director

# 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 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-0000176945/CR/2402001683

Date: 21/02/2024

To,  
 M/s. Vilas Sahakari Sakhar Karkhana Ltd.  
 (Distillery Unit), Gut no. 653,656,657, Vashalinagar,  
 Nivli, Tal. & Dist.-Latur- 413511 (Maharashtra).



**Sub: Renewal of Consent for 60 KLPD molasses base distillery unit, under RED category.**

**Ref:** 1. Earlier consent granted vide no. Format1.0/CAC/UAN No.MPCBCONSENT-0000146170/CR/2211001185 dated 15.11.2022.  
 2. Minutes of CAC meeting held on 06.11.2023.

Your application No.MPCB-CONSENT-0000176945 Dated 21.07.2023

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:

- The consent to renewal is granted for a period up to 31/08/2024**
- The capital investment of the project is Rs.97.5840 Crs. (As per C.A Certificate submitted by industry Expansion/Increase:-Rs. 0.9716 Crs.)**
- Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Industrial Rectified Spirit OR	2200	KL/M
2	Extra Neutral Alcohol OR Anhydrous Alcohol OR	1800	KL/M
3	Impure Spirit	200	KL/M
4	Technical Alcohol	300	KL/M
5	Fusel Oil	3.6	KL/M

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	540	As per Schedule-I	Bio-methanisation followed by Multiple effect evaporation followed by Incineration Boiler.
2.	Domestic effluent	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	Boiler	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	Yeast Sludge	0.2	MT/M	Bio-Composting	Use as 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	20.3 Distillation residues	150	Kg/M	Used for biocomposting	used as manure

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. This consent is issued pursuant to the decision of the Consent Appraisal Committee Meeting held on 06.11.2023.
11. Industry shall install online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server .
12. The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent. (Operate/Renewal)
13. PP shall operate pollution control system scientifically to achieve the consented norms.
14. PP shall ensure uninterrupted connectivity of OCEMS to Board server directly through data logger.
15. This consent shall be considered cancelled if industry violates the various environmental laws, rules and regulations.
16. Industry shall comply with the EIA notification, dtd. 14.09.2006 and Amendments thereto and consent shall treat as cancelled if industry violates the same.

17. Industry shall stop production activity voluntarily in case of failure of operation and maintenance of the ETP / pollution control systems as preventive measures.
18. Industry shall extend all existing BGs towards O&M of pollution control systems and towards compliance of the Consent conditions.
19. Industry shall submit Bank Guarantee of Rs. 25 Lacs towards compliance of consent conditions, operation & maintenance of pollution control systems and to achieve consented prescribed standards.



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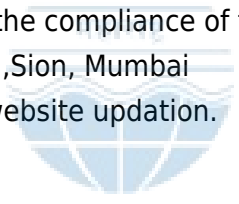
**Signed by: Dr. Avinash Dhakne**  
 Member Secretary  
 For and on behalf of,  
**Maharashtra Pollution Control Board**  
 ms@mpcb.gov.in  
 2024-02-21 22:57:04 IST

**Received Consent fee of -**

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	125000.00	TXN2307002990	21/07/2023	Online Payment
2	5000.00	TXN2402000441	02/02/2024	Online Payment

**Copy to:**

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



## **SCHEDULE-I**

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

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

- A] As per your application, you have provided comprehensive treatment for volume reduction consisting ETP of capacity 630 CMD followed by Bio-methanation followed by Multiple Effect Evaporator of capacity 540 CMD followed by Incineration Boiler of capacity- 22 TPH.
- B] Industry has provide CPU of capacity - 583 CMD for recycle/reuse of treated effluent.
- C] i. The applicant shall operate ETP to treat the effluent so as to achieve the following standards as prescribed by the board/under EP Act, 1986 and rules made thereunder from time to time whichever is stringent.

Sr.No.	Parameter	Standards prescribed by the Board
		Limiting concentration in mg/l except pH
1.	pH.	6.5-8.5.
2.	Colour and Odour.	Absent.
3.	Oil and Grease.	10.
4.	BOD 27°C 3 days.	100 (disposal for on-land irrigation).
5.	Sulphate.	1000.
6.	SS.	100.
7.	COD.	250.
8.	Chloride.	600.
9.	Total dissolved solids.	2100.

- ii. In no any case industrial effluent shall find its way outside the factory premises directly/indirectly except for disposal on-land for gardening/irrigation as per bilateral agreement with farmers.
- iii. Industry shall take an approval to adopt any alternative technology equivalent to concentration and incineration such as spray dryer with boiler, rotary dryer with aux fuel & boiler gasification, etc. for achieving ZLD.
- D] 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. 1 You shall provide sewage treatment plant for the treatment of 8 CMD sewage generation due to expansion and provide including disinfection facility.
2. Industry shall send sewage / overflow of septic tank and soak pit into the aeration tank of ETP for further treatment & disposal.

- 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.

3. Conditions for Aerobic composting:

- i. The spent wash should be stored in impervious tanks. The spent wash tanks should have proper lining with HDPE and should be kept in proper condition to prevent ground water pollution. As per the CPCB recommendation and undertaking given by the company, storage should not exceed 30 days capacity.

- ii. Applicant shall ensure availability of adequate filler material such as press mud, bagasses, agricultural, biological waste as required for effective composting system.

- iii. Composted material shall meet the following specifications—

Moisture	30 to 35%
C/N	Below 17
Nitrogen	1.5 to 2%
Phosphorous	1.5 to 2%
Potassium	3 to 4%

- iv. The composting site shall be prepared as per the guideline enclosed. Composting shall be such that it includes mechanical mixing and spraying of spent wash along with mechanical aeration to ensure thorough composting. Hand/ manual spraying of spent wash shall not be permitted.

- v. The compost leachate (1 gr. of compost mixed with 100 ml. of distilled water and filtered) Filtrate shall conform to the following limit.

pH	Between	Between
BOD 3 days 27 Deg. C	Not to exceed	30 mg/l

- vi. A pucca leak proof guard pond of 30 days holding capacity as per (i) above shall cope up with the effluent discharge during short term process disturbances. In case of prolonged disturbance in effluent treatment and disposal system, distillery shall be shut down and shall not be restarted without rectifying the system.

- vii. The composting site/pits shall be made leak proof by proper lining. A catch drain shall be provided around the composting site to collect the storage pond for application on compost depots. Arrangements for overturning of compost material in windrows and spraying of spent wash shall be made to ensure appropriate aeration and uniform distribution of spent wash.
- viii. In case of composting in open fields, the application of spent wash shall stop by end of April, so that compost is ready and the site is cleared of the composted manure before monsoon (i.e. 31st May). The manure shall be collected and stored on a raised platform with suitable rain cover so that the compost manure is not washed away by rain/runoff.
- ix. Characteristic of soil, ground water and effect on crop yield should be monitored in the area where compost is used as manure and results thereof shall be compiled and reported in the Environment statement to be submitted every year.
- x. The test wells shall be provided around the compost site for ground water monitoring. The well water quality has to be maintained at 2006 level.

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:

<b>Sr. No.</b>	<b>Purpose for water consumed</b>	<b>Water consumption quantity (CMD)</b>
1.	Industrial Cooling, spraying in mine pits or boiler feed	185.00
2.	Domestic purpose	10.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	680.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	00

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>
S-1	Boiler	NA	75	Bagasse	30 Ton/D	0.20	120.00

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>
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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:

Sr. No	Consent (C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Operate	Rs. 25 Lacs	15 days/To be extended	Towards Compliance of consent conditions and Operation & maintenance of pollution control system & to achieve consented prescribed standards	31.08.2024	28.02.2025

#### BG Forfeiture History

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

#### BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
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](http://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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# Sugar Factory & Cogen Plant - Consent To Operate

## 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 and 4th  
floor, Opp. Cine Planet  
Cinema, Near Sion Circle, Sion  
(E), Mumbai-400022

No:- Format1.0/CAC/UAN No.MPCB-  
CONSENT-0000176409/CR/2402001684

Date: 21/02/2024

To,  
M/s. Vilas Sahakari Sakhar Karkhana Ltd.,  
(Sugar and Co- Gen Plant)  
Gut no. 553,554,656,Vishalinagar Nivli,  
Tal. & Dist. - Latur ( Maharashtra).



**Sub: Renewal of Consent for 3500 TCD Sugar & 18 MW Co-generation unit, under RED category.**

**Ref: 1. Earlier consent grant by the Board No:-Format1.0/CAC/UAN No.MPCBCONSENT-0000146168/CR/2211001191 dated 15.11.2022.**  
**2. Minutes of CAC meeting held on 06.11.2023.**

Your application No.MPCB-CONSENT-0000176409 Dated 21.07.2023

For: grant of 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 and Rule 18(7) 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:

- The Consent to Renewal is granted upto: 31.07.2024**
- The capital investment of the industry is Rs.204.57 Crs. (As per C.A Certificate submitted by industry).**
- Consent is valid for the manufacture of:**

<b>Sr No</b>	<b>Product</b>	<b>Maximum Quantity</b>	<b>UOM</b>
1	Sugar	11454	MT/M
2	Molasses	4200	MT/M
3	Bagasse	27300	MT/M
4	Press Mud	3710	MT/M
5	Electricity generation (Co-gen)	18	MT/M

- Note: Total Sugar Cane Crushing capacity shall not exceed 3500 TPD.**

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

<i>Sr No</i>	<i>Description</i>	<i>Permitted in CMD</i>	<i>Standards to</i>	<i>Disposal</i>
1.	Trade effluent	415	As per Schedule -I	85 CMD shall be 100 % recycle & 330 CMD shall be used on land for irrigation.
2.	Domestic effluent	25	As per Schedule - I	On land for gardening

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

<i>Stack No.</i>	<i>Description of stack / source</i>	<i>Number of Stack</i>	<i>Standards to be achieved</i>
1	Boiler	1	As per Schedule -II
2	D.G. Set (500 KVA x 01no.)	1	As per Schedule -II
3	D.G. Set (600 KVA x 01no.)	1	As per Schedule -II

(As per previous consent of existing unit)

6. **Conditions about 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	ETP SLUDGE	5	MT/A	Composting	Use as manure
2	Fly Ash	650	MT/M	Sale to Authorized Brick Manufacturer / Use in Manure as soil conditioner	Sale to Authorized Brick Manufacturer / Use in Manure as soil conditioner

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2008 for treatment and disposal of hazardous waste:**

<i>Sr No</i>	<i>Type of Waste</i>	<i>HW Category.</i>	<i>Quantity &amp; UoM</i>	<i>Treatment</i>	<i>Disposal</i>
1	5.1 Used or spent oil	5.1	0.8 MT/M	Sale to MPCB authorized re-processor / recycler / CHWTSDF	Sale to MPCB authorized re-processor / recycler / CHWTSDF

The applicant shall ensure disposal to the Actual user having permissions under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016.

a. The applicant shall properly collect, transport & regularly dispose of the hazardous waste to CHWTSDF, in compliance of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and keep proper manifest thereof.

8. The Board reserves the right to review, amend, suspend, revoke etc. 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. Industry shall connect online CMS data as per CPCB guidelines to CPCB & MPCB Servers.
11. This consent shall be considered cancelled if industry violates the various environmental laws, rules and regulations.

12. Industry shall comply with the EIA notification, dtd. 14.09.2006 and Amendments thereto and consent shall treat as cancelled if industry violates the same.
13. This consent is issued as per the Consent Appraisal Committee meeting dated 06.11.2023.
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. Industry shall stop production activity voluntarily in case of failure of operation and maintenance of the ETP system as preventive measures.
16. Industry shall extend all existing BGs towards O&M of pollution control systems and towards compliance of the Consent conditions.
17. Industry shall submit Bank Guarantee of Rs. 25 Lacs towards compliance of consent conditions, operation & maintenance of pollution control systems and to achieve consented prescribed standards & Rs. 5 Lacs towards provision of condensate polishing unit (CPU) & Compliance of consent conditions.
18. The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise. In no case, sewage shall find its way for gardening / outside factory premises.
19. Industry shall send sewage / overflow of septic tank and soak pit into the aeration tank of ETP for further treatment & disposal.



*Dinazg*



Signed by: **Dr. Avinash Dhakne**  
 Member Secretary  
 For and on behalf of,  
**Maharashtra Pollution Control Board**  
 ms@mpcb.gov.in  
 2024-02-21 22:59:05 IST

**Received Consent fee of -**

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	409159.00	TXN2307002989	21/07/2023	Online Payment
2	50000.00	TXN2402000437	02/02/2024	Online Payment

**0**

**Copy to:**

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

## **SCHEDULE-I**

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

- 1) **A] As per your application, you have provided Effluent Treatment Plant (ETP) of designed capacity of 600 CMD consisting of Primary, Secondary, Tertiary for treatment of 415 CMD industrial effluent.**
- B] Industry shall provide CPU for recycle/reuse of treated effluent.**
- C] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.**

<b>Sr. No.</b>	<b>Parameters</b>	<b>Limiting concentration not to exceed in mg/l, except for pH</b>
(1)	pH	5.5-9.0
(2)	Oil & Grease	10
(3)	BOD (3 days 27 <sup>o</sup> )	100
(4)	Sulphate	1000
(5)	Suspended Solids	100
(6)	COD	250
(7)	Chloride	600
(8)	Total Dissolved Solids	2100

- D] The treated effluent 330.00 CMD shall be disposed on land for irrigation on 75.00 hectares of own land /as per the bilateral agreement with farmers. In no any case treated/untreated effluent shall find its way outside the factory premises directly or indirectly.**
- E] 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.**
- F] Trade effluent of 85.00 CMD generated from Co-gen shall be 100% recycle in process.**
- G] CREP conditions for Sugar Factory**
- i. Operation of ETP shall be started at least one month before starting of cane crushing to achieve desired MLSS. So as to meet prescribed standards from day one the operation of mill.
  - ii. Waste water generation shall be reduced to 100 liters per tone of cane crushed.
  - iii. Industry shall achieve zero discharge into in land surface water bodies.
  - iv. 15 days' storage capacity tank shall be provided for treated effluent to take care during no demand for irrigation.

**H] Industry to make necessary arrangement to cover the effluent collection system and to avoid the ingress of Bagasse and other material.**

**I] The unit shall operate ETP even after completion of the crushing season so that any effluent generated during washing & maintenance activity is to be discharged after proper treatment.**

**J] The unit shall optimize water use in industrial process & maintain records.**

2) **A] As per your application, you have provided septic tank and soak pit for the treatment of 25 CMD sewage.**

**B] The applicant shall operate sewage treatment system to treat sewage so as to achieve the following standards/ prescribed under EP Act 1986 and rules made under time to time, whichever is stringent.**

1	Suspended Solids	Not to exceed	100 mg/l
2	BOD 3 days (27°C)	Not to exceed	100 mg/l

**C] The treated sewage shall be 100% reused/recycled for gardening purpose within premise. In no any case, sewage shall find its way outside Company's premises.**

3) The industry shall have bilateral agreement with the farmers on whose land the treated effluent is used for irrigation purposes and a copy of the agreements with validity shall be submitted to the Regional/Sub- Regional Office of the Board.

4) The industry shall create Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.

5) **CONDITIONS FOR MOLASSES STORAGE:**

(i) The molasses shall be properly collected and stored in steel tanks which shall be leak proof. At no stage of handling of molasses, there shall be leakage or spillage.

(ii) The capacity of tanks for storage of molasses shall be such that it will take care of bumper production of sugar, non-lifting of molasses etc.

(iii) All the area on which molasses are stored and handled should be provided with drain for diverting the spills to the treatment plant/ molasses tank. Suitable arrangements for accidental discharges of molasses from the tanks shall be provided to contain the same within factory premises.

(iv) Destruction of molasses and its disposal shall not be done without specific permission in writing from the authorized officer of the Board. Intimation of intention to destroy or dispose of the molasses shall be given to the Board at least 15 (fifteen) days in advance by registered post under intimation to the Sub-Regional officer and Regional officer of the Board under whose jurisdiction the factory is situated.

- (v) The storage tanks shall be kept in good conditions all the year round with adequate maintenance. The tanks size and capacity per cm, height, total capacity in tonnes shall be displayed prominently near /on the tank.
- (vi) The above conditions shall be in addition to and not in derogation of the provisions contained in the "Bombay Molasses Rules, 1955" and "Maharashtra Molasses Storage and Supply Regulation, 1965".
- 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 / CREP guidelines if applicable.
- 7) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & 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.
- 8) 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.
- 9) 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:

<b>Sr. No.</b>	<b>Purpose for water consumed</b>	<b>Water consumption quantity (CMD)</b>
1.	Industrial Cooling, spraying in mine pits or boiler feed	1570.00
2.	Domestic purpose	30.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	375.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Grandening	0

- 10) 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/ CREP guidelines.

## 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) and 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>
S-1	Boiler	Wet Scrubber	65	Bagasse	37750 Kg/Hr	0.20	151.00
S-2	D.G. Set (500 KVA x 01no.)	Accoustic enclosure & Stack	4.5	Diesel	80 Lit/Day	1.00	1.60
S-3	D.G. Set (600 KVA x 01 no.)	Accoustic enclosure & Stack	5	Diesel	100 Lit/Day	1.00	2.00

(As per previous consent of existing unit)

- 2) **The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.**

- 1 The Applicant shall provide ESP/ Bag filter/ Wet scrubber to the Bagasse fired boiler and Dust Collector to Sugar bagging section as an Air Pollution control equipments OR as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines.
- 2 The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Total Particulate matter	Not to exceed	150 mg/Nm <sup>3</sup>
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- 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 Industry should not use auxiliary fuel more than 15 % (as per amendment in EIA Notification 2009, power plant upto 15 MW based on Bio-mass and using auxiliary fuel as coal upto 15% are exempt.) as co-gen capacity is below 15 MW.
- 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).**

### SCHEDULE-III

#### Details of Bank Guarantees:

Sr. No.	Consent(C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Operate	Rs. 25 Lacs	15 days	Towards Compliance of consent conditions and Operation & maintenance of pollution control system & to achieve consented prescribed standards	31.07.2024	31.01.2025.
2	Consent to Operate	Rs. 5 Lacs	15 days	Towards provision of condensate polishing unit (CPU) & Compliance of consent conditions	31.07.2023	31.01.2024

#### BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
1	Consent to Operate	Rs. 50 Lacs	15 days	Towards O & M of pollution control systems and compliance of consent conditions.	Rs. 25 Lacs	Towards exceedance of JVS & non-compliance of consent conditions

## SCHEDULE-IV

### **General Conditions:**

- 1 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.
- 2 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.
- 3 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 equipment, the production process connected to it shall be stopped.
- 4 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.
- 5 The firm shall submit to this office, the 30th day of September every year, the Environmental 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.
- 6 The industry should comply with the Hazardous & Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous & Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
- 7 An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 8 The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 9 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.
- 10 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.
- 11 The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 12 Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.

- 13 The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the H&OW(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.
- 14 Industry 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).
- 15 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.
- 16 Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
17. 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.
- 18 The industry should not cause any nuisance in surrounding area.
- 19 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.
- 20 The applicant shall maintain good housekeeping.
- 21 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.
- 22 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 equipment 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.

- 23 The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- 24 The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009 as amended.

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This certificate is digitally & electronically signed.

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